

GENERAL NOTES:

CANYON SPRINGS ASSESSMENT DISTRICT
CONSTRUCTION PHASE II
STORM DRAIN PLANS
PARCEL MAP NO. 19617
STAGE 1
CITY OF RIVERSIDE, CALIFORNIA

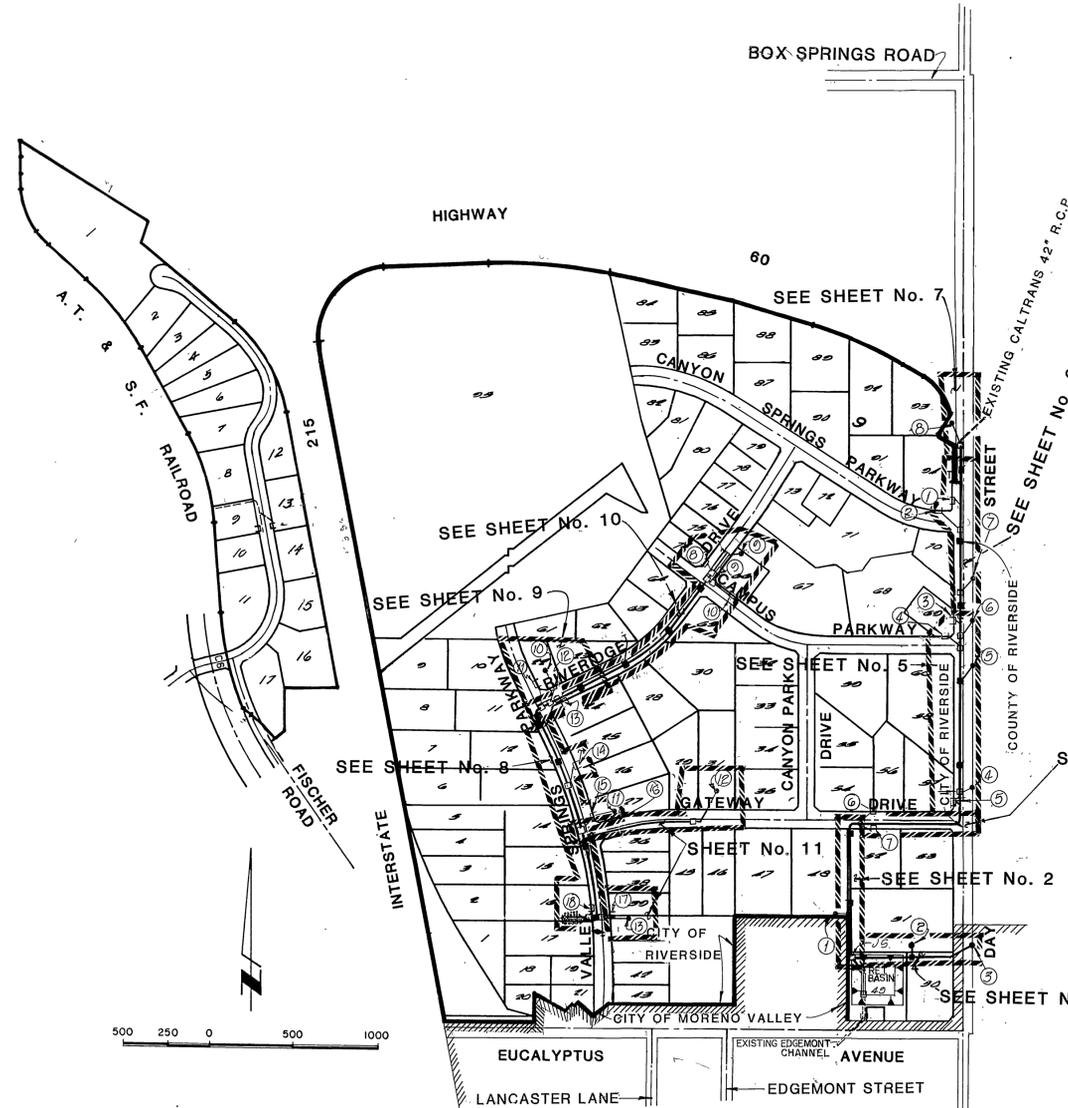
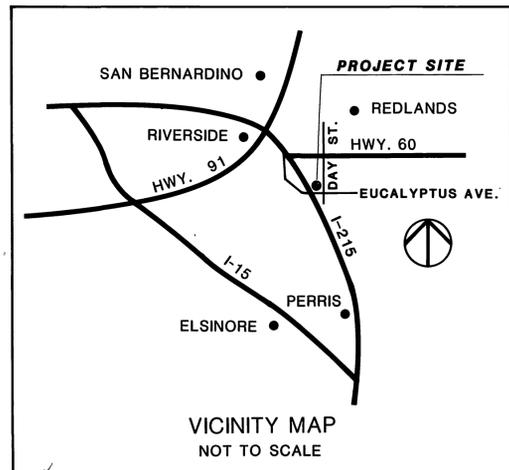
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985 EDITION.
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- BEFORE THE RIP RAP IS ACCEPTED, AS PLACED, AT THE OUTLET OF ANY DRAINAGE STRUCTURE, IT SHALL BE TESTED UNDER FLOWS AS CLOSE AS POSSIBLE TO DESIGN CONDITIONS WITH WATER OBTAINED FROM FIRE HYDRANTS IN THE IMMEDIATE AREA.
- THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO. 1-800-422-4133, TWO WORKING DAYS BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
- THE PRIVATE ENGINEER PREPARING THESE PLANS SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- DEVELOPER AND/OR CONTRACTOR TO GIVE R.C.F.C.'S DAYS WRITTEN NOTICE PRIOR TO STARTING ON STORM DRAIN (OR DOING ANY WORK WITHIN R.C.F.C. EASEMENTS) R.C.F.C. ENCROACHMENT PERMIT No.

- REVISION DELTA WITH LETTER INDICATE. CHANGES AFTER BID SET ISSUANCE DATE (9-26-85)
- REVISION DELTA WITH NUMBER INDICATE CHANGES AFTER APPROVAL DATE.

NOTIFICATIONS

NOTE: THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES 48 HOURS PRIOR TO STARTING CONSTRUCTION OR EXCAVATION:

- RIVERSIDE COUNTY ROAD DEPT. CONSTRUCTION SECTION: (714) 787-2031 (714) 787-2032
- EASTERN MUNICIPAL WATER DISTRICT - JIM WYATT (714) 925-7676 EXT. 225
- GENERAL TELEPHONE: 1-(800) 422-4133
- SOUTHERN CALIFORNIA GAS COMPANY: 1-(800) 422-4133
- EDGEMONT COMMUNITY SERVICES DISTRICT: (714) 653-5120
- SOUTHERN CALIFORNIA EDISON CO. (PERRIS OFFICE): 1-(800) 422-4133
- UNDERGROUND SERVICE ALERT: 1-(800) 422-4133
- METROPOLITAN WATER DISTRICT - MR. ART KNOOP: (213) 250-6432
- CALTRANS: (714) 383-4631
- DEPARTMENT OF WATER RESOURCES - 7 DAY NOTICE HERMAN MUSGROVE (805) 257-3610 RAY OLESON (916) 455-2968
- CITY OF MORENO VALLEY: (714) 787-2031 (714) 787-2032
- CITY OF RIVERSIDE (714) 787-7341



CONSTRUCTION NOTES AND QUANTITY ESTIMATE				
ITEM	DESCRIPTION	UNIT	QUANTITY	
1	CONSTRUCT 87" R.C.P. STORM DRAIN	1000D	LF	413.0
		950D	LF	409.00
2	CONSTRUCT 81" R.C.P. STORM DRAIN	1100D	LF	
		900D	LF	
3	CONSTRUCT 78" R.C.P. STORM DRAIN	900D	LF	583.70
		800D	LF	191.20
4	CONSTRUCT 54" R.C.P. STORM DRAIN	1000D	LF	25.35
5	CONSTRUCT 51" R.C.P. STORM DRAIN	1000D	LF	153.15
6	CONSTRUCT 48" R.C.P. STORM DRAIN	1400D	LF	341.25
7	CONSTRUCT 45" R.C.P. STORM DRAIN	1000D	LF	599.10
8	CONSTRUCT 42" R.C.P. STORM DRAIN	1000D	LF	405.60
9	CONSTRUCT 36" R.C.P. STORM DRAIN	1200D	LF	96.10
		1000D	LF	1034.21
10	CONSTRUCT 33" R.C.P. STORM DRAIN	1750D	LF	402.61
		1500D	LF	94.61
11	CONSTRUCT 30" R.C.P. STORM DRAIN	1000D	LF	525.23
		2000D	LF	58.40
12	CONSTRUCT 27" R.C.P. STORM DRAIN	1500D	LF	48.65
		1000D	LF	231.89
13	CONSTRUCT 24" R.C.P. STORM DRAIN	1250D	LF	51.05
		1000D	LF	186.95
14	CONSTRUCT 21" R.C.P. STORM DRAIN	1500D	LF	190.74
		1000D	LF	69.08
15	CONSTRUCT 18" R.C.P. STORM DRAIN	1500D	LF	131.00
		1250D	LF	29.68
16	CONSTRUCT 15" R.C.P. STORM DRAIN	1000D	LF	490.16
		2000D	LF	591.43
17	CONSTRUCT M.H. AX PER CITY OF RIVERSIDE STD. DWG. No. 430	1750D	EA	26.00
		1500D	EA	194.57
18	CONSTRUCT M.H. JM PER CITY OF RIVERSIDE STD. DWG. No. 432	1250D	EA	130.82
		2500D	EA	35.95
19	CONSTRUCT J.S. No. 4 PER RIVERSIDE STD. DWG. No. 423	2000D	EA	29.6
		1750D	EA	302.49
20	CONSTRUCT J.S. "B" PER CITY OF RIVERSIDE STD. DWG. No. 421	1500D	EA	42.58
		1250D	EA	192.98
21	CONSTRUCT J.S. "C" PER CITY OF RIVERSIDE STD. DWG. No. 422		EA	1
			EA	5
22	CONSTRUCT CONCRETE COLLAR PER CITY OF RIVERSIDE STD. DWG. No. 424		EA	16
			EA	1
23	CONSTRUCT DROP INLET PER DETAIL No. 1 SHEET No. 12	RISER 48"	EA	2
		RISER 36"	EA	5
		RISER 24"	EA	6
24	CONSTRUCT RIP-RAP PER DETAIL No. 3 SHEET No. 13	SF	1500	
25	CONSTRUCT SPLASH WALL PER DETAIL No. 2 SHEET No. 7	SF	20	

LEGEND

- INDICATES M.H. AX, JM, OR EZ.
- INDICATES DROP INLET # No.
- INDICATES JUNCTION STRUCTURE B, C OR No. 4
- INDICATES CATCH BASIN # No.

HOLD HARMLESS INDEMNIFICATION CLAUSE

THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE COUNTY OF RIVERSIDE, THE OWNER, AND THE PRIVATE ENGINEERS HARMLESS FOR ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

EXISTING UNDERGROUND STRUCTURES

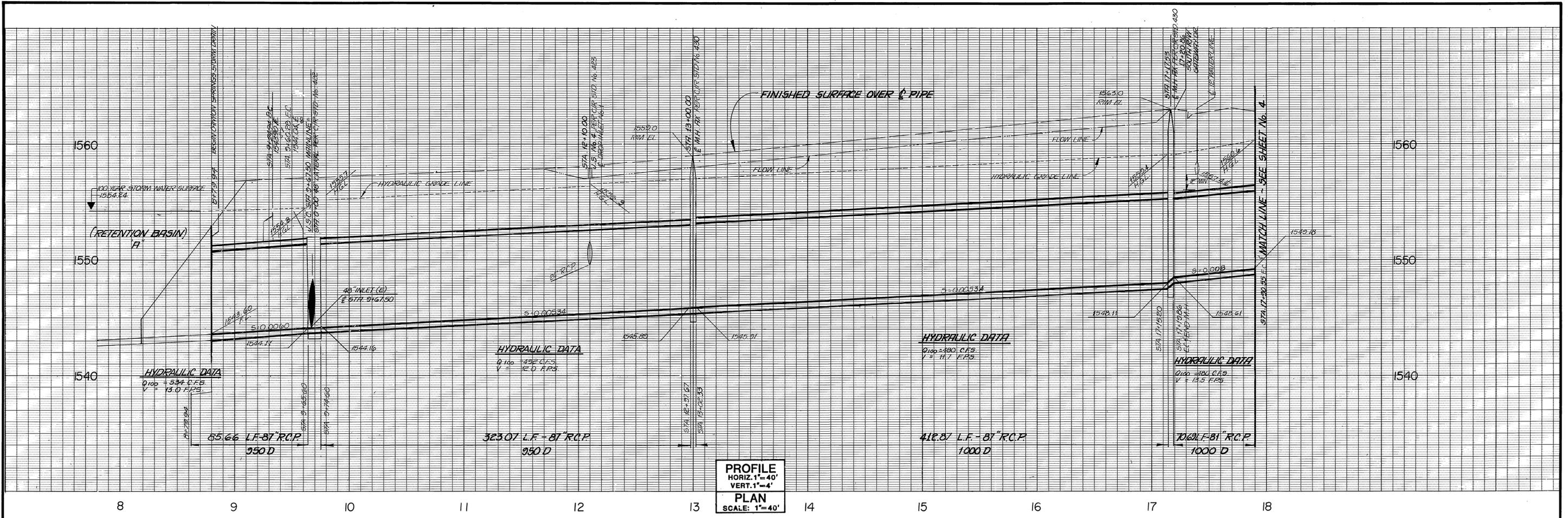
THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPE STRUCTURES OR CONDUITS SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK. CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS.

NOTICE TO CONTRACTOR

CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND SHALL REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.

INDEXED BY CD.

<p>BENCH MARK: RIV. CO. B.M. BRASS DISC MARKED M-64-69 IN THE CENTER OF A 8" x 16' HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53' WEST OF DAY ST. & 23' S.E. OF N.E. CORNER OF A C.S.D.H. R/W FENCE. ELEVATION = 1612.241</p>	<p>Greiner Greiner Engineering of California 5225 Canyon Crest Drive Bldg 200, Suite 253 Riverside, California 92507 (714) 351-8328 (714) 788-7746 A Greiner Engineering, Inc. Company</p>	<p>CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT</p>	<p>CANYON SPRINGS ASSESSMENT DISTRICT CONSTRUCTION PHASE II STORM DRAIN PLANS PARCEL MAP NO. 19617 STAGE 1 TITLE SHEET</p>	<p>ACCOUNT NO. DRAWING NUMBER D-480 SHEET 1 of 13</p>
<p>PLANS PREPARED UNDER THE DIRECTION OF: <i>Don L. Young</i> R.C.E. NO. 30534 DATE 9/20/85</p>	<p>DESIGNED BY HA DRAWN BY JDS CHECKED BY BLJ</p>	<p>APPROVED BY: <i>William D. Anderson</i> PRINCIPAL ENGINEER DATE 2.5.86</p>	<p>APPROVED BY: <i>William D. Anderson</i> DIRECTOR OF PUBLIC WORKS DATE 2.5.86</p>	<p>SCALE: AS SHOWN</p>

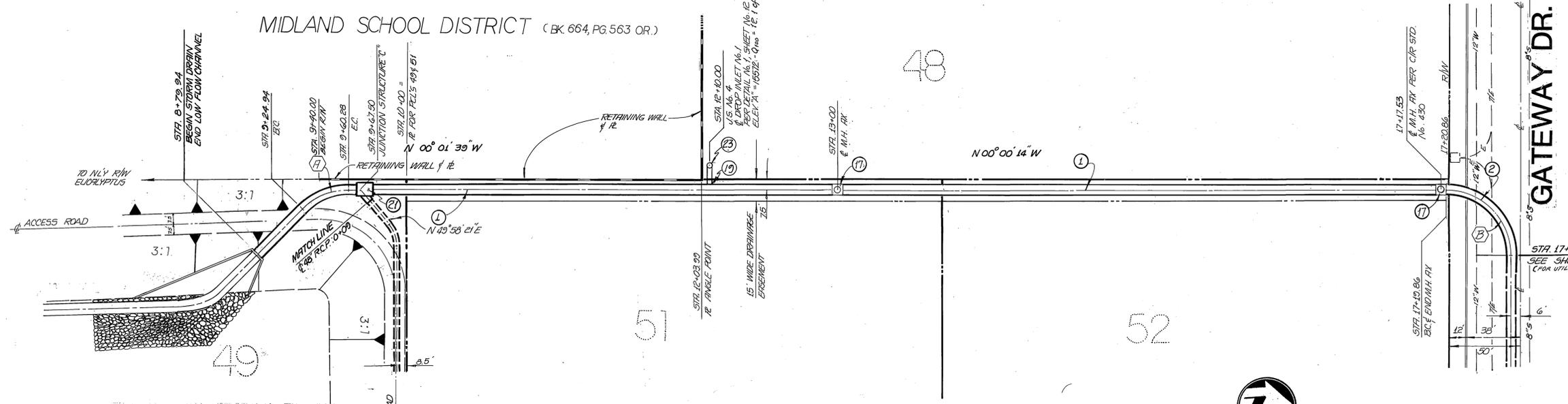


PROFILE
 HORIZ. 1"=40'
 VERT. 1"=4'
PLAN
 SCALE: 1"=40'

NOTE: ALL STATIONING REFERS TO ϕ STORM DRAIN UNLESS OTHERWISE NOTED. FOR GENERAL DRAINAGE NOTES SEE SHEET No. 1

CONSTRUCTION NOTES

- ① CONSTRUCT 81" R.C.P. (1000 D) STORM DRAIN
- ② CONSTRUCT 81" R.C.P. (1000 D) STORM DRAIN
- ⑦ CONSTRUCT M.H. AN PER CITY OF RIVERSIDE STD. DWG. No. 430
- ⑩ CONSTRUCT J.S. No. 4 PER CITY OF RIVERSIDE STD. DWG. No. 423
- ⑫ CONSTRUCT J.S. "C" PER CITY RIVERSIDE STD. DWG. No. 422
- ⑬ CONSTRUCT DROP INLET PER DETAIL No. 1, SHT No. 12



MIDLAND SCHOOL DISTRICT (BK 664, PG. 563 OR.)

RETENTION BASIN "A"

CURVE DATA

	Δ	R	L	T
A	45°00'00"	45.00	38.34	18.64
B	90°00'00"	45.00	70.69	45.00

JUNCTION STRUCTURE "C" DATA

STATION	A	B	C'	D ₁	D ₂	E'	L'	ELEV. R	ELEV. S
9+67.50	50'	48'	9.2'	37'	37'	74'	9.0'	1544.29	1544.25

BENCH MARK: RIV. CO: B.M.
 BRASS DISC MARKED M-64-69 IN THE CENTER OF A 8" x 16' HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53' WEST OF DAY ST. & 23' S.E. OF N.E. CORNER OF A C.S.D.H. R/W FENCE. ELEVATION = 1612.241

Greiner
 Greiner Engineering of California
 5225 Canyon Crest Drive
 Bldg. 200, Suite 253
 Riverside, California 92507
 (714) 351-8328
 (714) 788-7746
 A Greiner Engineering, Inc. Company

PLANS PREPARED UNDER THE DIRECTION OF:
[Signature]
 R.C.E. NO. 30534 DATE 3/22/85

MARK	REVISIONS	APPR. DATE

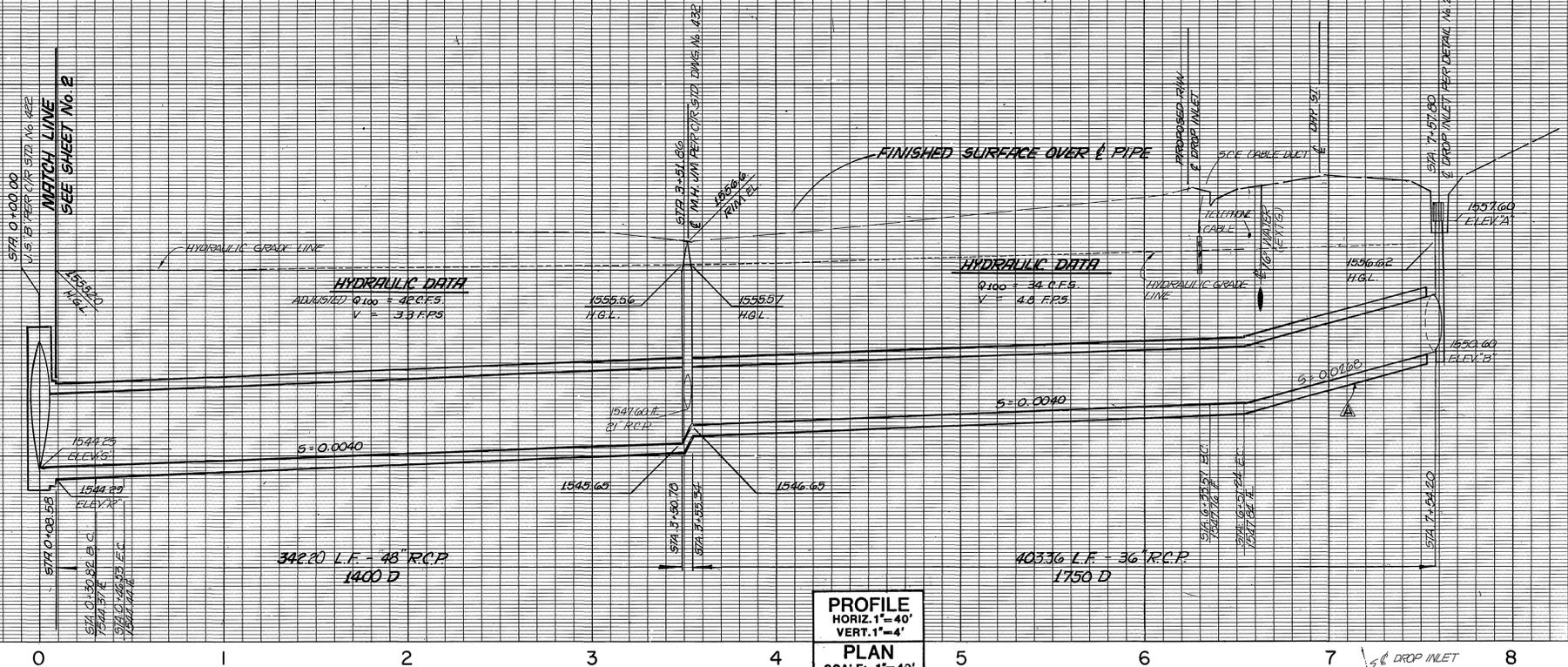
CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
 APPROVED BY: *[Signature]* DATE: 1/4/86
 PRINCIPAL ENGINEER
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF PUB WKS ENGR.

STORM DRAIN PLAN AND PROFILE
EASEMENT S'LY OF GATEWAY DR. & W'LY OF DAY ST.
 STA. 8+87.10 TO 17+90.55
PARCEL MAP NO. 19617
 SCALE: HORIZ. 1"=40', VERT. 1"=4'

INDEXED BY CD
 ACCOUNT NO.
 DRAWING NUMBER
D-480
 SHEET 2 OF 13

1565
1555
1545

1565
1555
1545

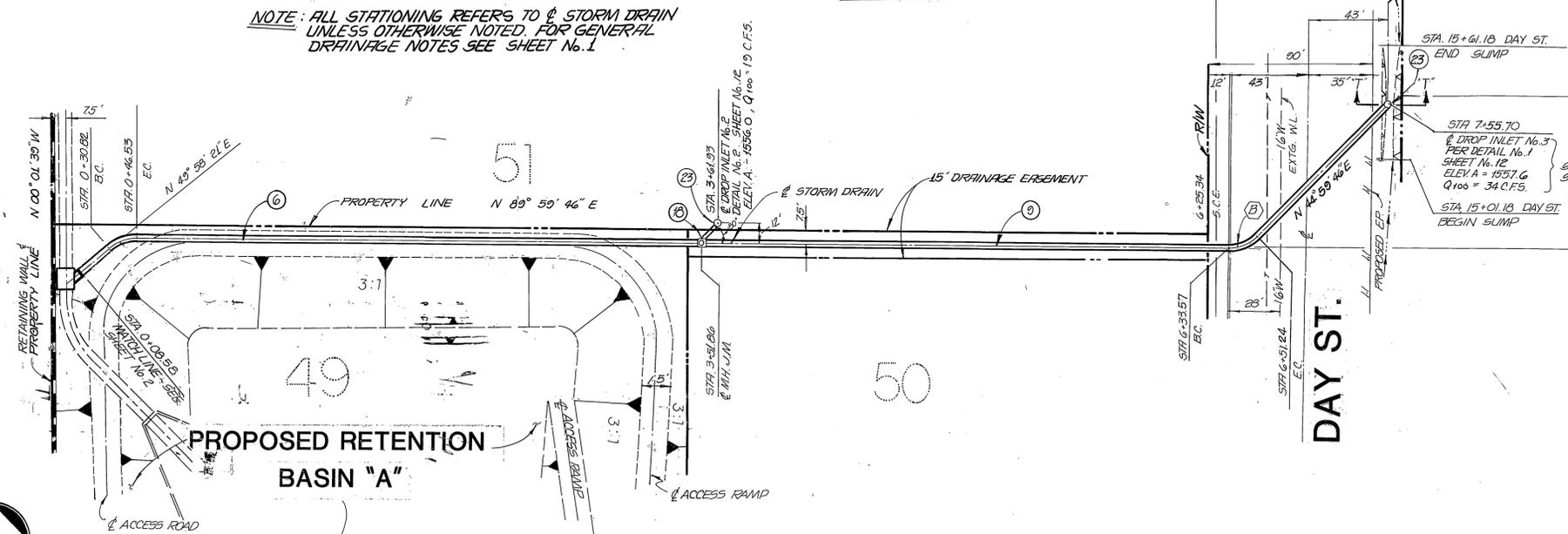


PROFILE
HORIZ. 1"=40'
VERT. 1"=4'
PLAN
SCALE: 1"=40'

NOTE: ALL STATIONING REFERS TO ϕ STORM DRAIN UNLESS OTHERWISE NOTED. FOR GENERAL DRAINAGE NOTES SEE SHEET No. 1

CONSTRUCTION NOTES

- ⑥ CONSTRUCT 48" R.C.P. - 1400 D - STORM DRAIN
- ⑦ CONSTRUCT 36" R.C.P. - 1750 D - STORM DRAIN
- ⑧ CONSTRUCT M.H. J.M. PER CITY OF RIVERSIDE STANDARD DRAWING No. 432
- ⑨ CONSTRUCT DROP INLET PER DETAIL No. 1 SHEET No. 12



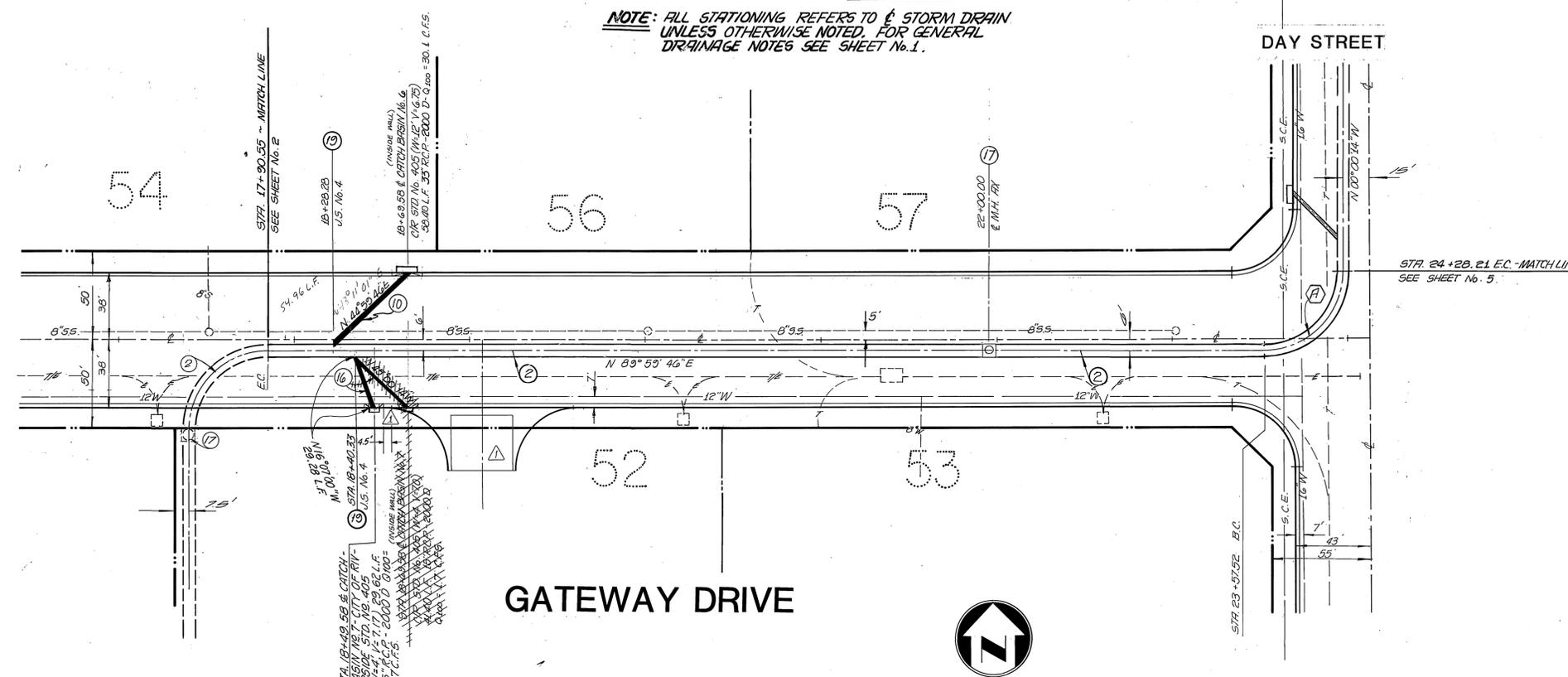
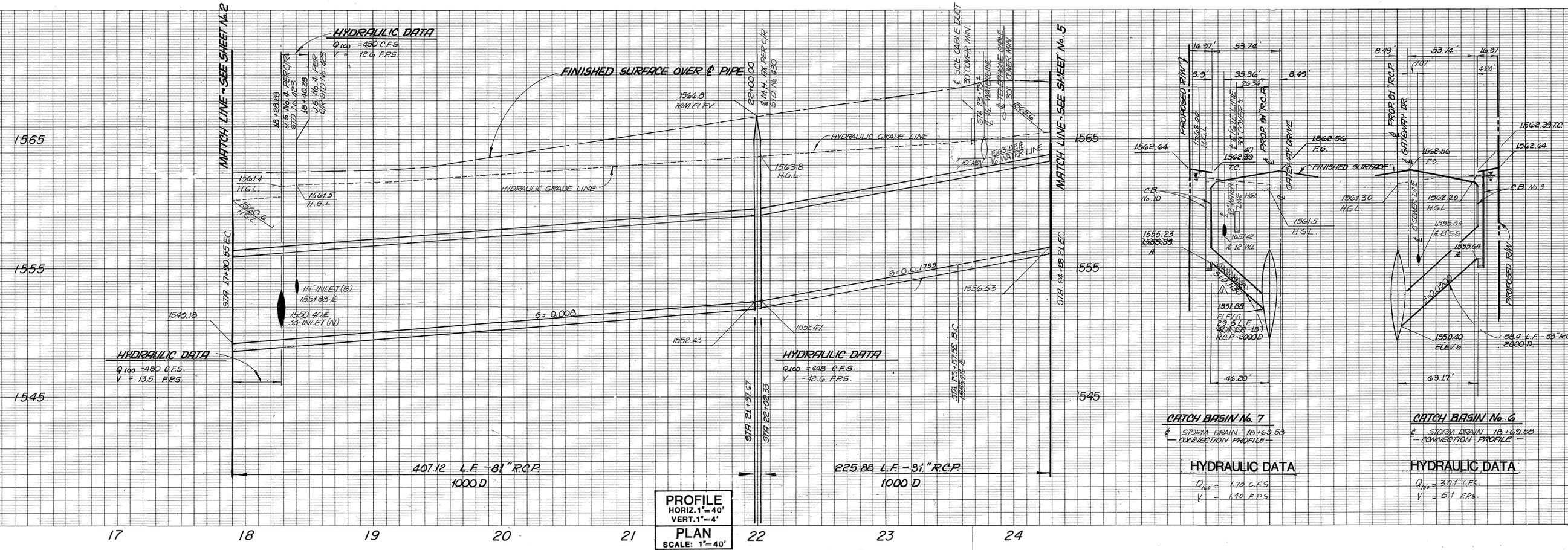
MANHOLE JM DATA

STATION	JUNCTION STRUCTURE "C" DATA						ELEV. "S"
	A	B	C	D ₁	D ₂	E	
3+91.86	50"	27"	56"	36"	48"	37' 3.4"	1549.43
							1548.65

CURVE DATA

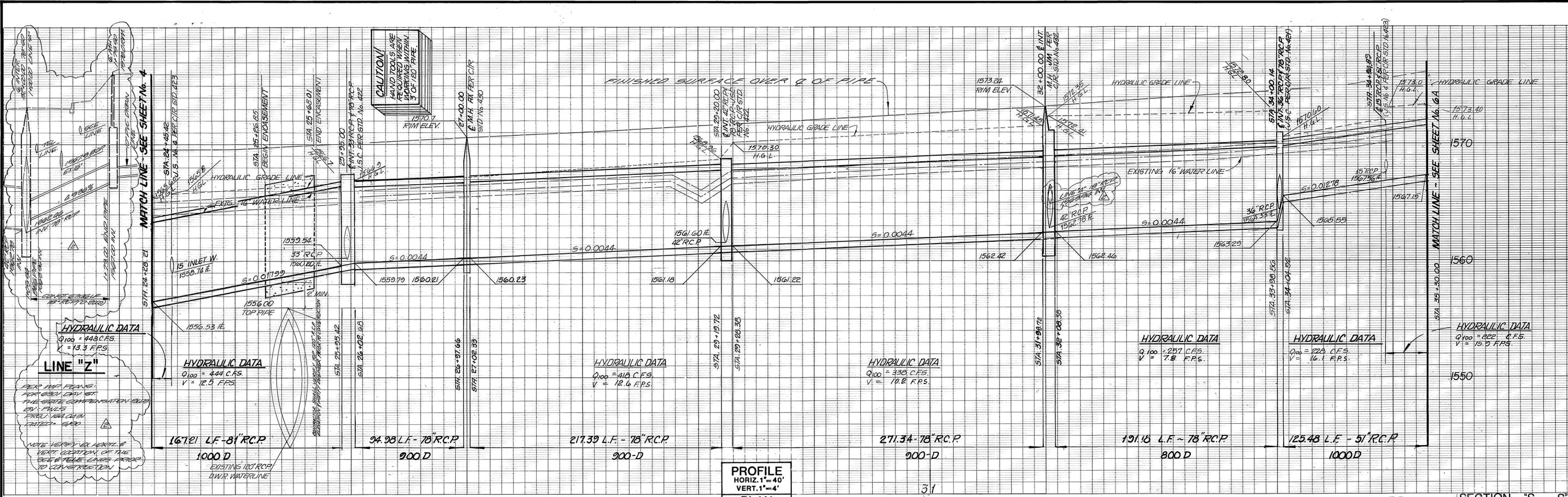
	R	L	T
A	40' 01" 25"	22.30'	19.72'
B	49' 00" 00"	22.30'	17.67'

GENERAL TELEPHONE COMPANY REVIEWED & APPROVED BY: <i>Lois Hallman</i> 11-27-85 DATE	COUNTY OF RIVERSIDE, CALIF. REVIEWED & APPROVED BY: <i>Gene T. Baumgart</i> 12/23/85 DATE	BENCH MARK: RIV. CO: B.M. BRASS DISC MARKED M-64-69 IN THE CENTER OF A 8" x 16' HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53' WEST OF DAY ST. & 23' S.E. OF N.E. CORNER OF A.C.S.D.H. R/W FENCE. ELEVATION = 1612.241'	Greiner Greiner Engineering of California 5225 Canyon Crest Drive Bldg. 200, Suite 253 Riverside, California 92507 (714) 351-8328 (714) 786-7748 A Greiner Engineering, Inc. Company	CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT APPROVED BY: <i>W.L. 12/23</i> DATE: 12/23/85 PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF PUB.WKS. ENGR.	STORM DRAIN PLAN AND PROFILE EASEMENT W/LY OF DAY ST. & NLY OF EUCALYPTUS AVE. STA. 0+00.00 TO 7+60.26 PARCEL MAP NO. 19617 SCALE: HORIZ. 1"=40', VERT. 1"=4'	ACCOUNT NO. DRAWING NUMBER D-480 SHEET 3 OF 13
SOUTHERN CALIFORNIA EDISON REVIEWED & APPROVED BY: <i>Donald W. Best</i> 12-2-85 DATE	EASTERN MUNICIPAL WATER DISTRICT REVIEWED BY: <i>Joe Canville</i> 11/22/85 DATE	DESIGNED BY <i>HA</i> DRAWN BY <i>JDS</i> CHECKED BY <i>BLU</i>	DESIGNED BY <i>HA</i> DRAWN BY <i>JDS</i> CHECKED BY <i>BLU</i>	APPROVED BY: <i>William S. Hansen</i> DATE: 2-5-86 DIRECTOR OF PUBLIC WORKS	INDEXED BY <i>CD</i>	



- CONSTRUCTION NOTES**
- CONSTRUCT 81" R.C.P. - HOOD - 10000 STORM DRAIN.
 - CONSTRUCT 33" R.C.P. - 20000 STORM DRAIN
 - CONSTRUCT 15" R.C.P. - 20000 STORM DRAIN
 - CONSTRUCT M.H. AX PER CITY OF RIVERSIDE STD. DWG. No. 430
 - CONSTRUCT JUNCTION STRUCTURE No. 4 PER CITY OF RIVERSIDE STD. DWG. No. 423.

GENERAL TELEPHONE CO. REVIEWED & APPROVED BY: <i>[Signature]</i> DATE: 11-27-85 SOUTHERN CALIFORNIA EDISON REVIEWED & APPROVED BY: <i>[Signature]</i> DATE: 12-2-85	EASTERN MUNICIPAL WATER DISTRICT REVIEWED BY: <i>[Signature]</i> DATE: 11/27/85	BENCH MARK: RIV. CO. B.M. BRASS DISC MARKED M-64-69 IN THE CENTER OF A 8" x 16" HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53' WEST OF DAY ST. & 23' S.E. OF N.E. CORNER OF A C.S.D.H. R/W FENCE. ELEVATION = 1612.241	Greiner Greiner Engineering of California 9225 Canyon Crest Drive Steg 400, Suite 255 Riverside, California 92507 (714) 351-8328 (714) 788-7746 A Greiner Engineering, Inc. Company	PLANS PREPARED UNDER THE DIRECTION OF: <i>[Signature]</i> R.C.E. NO. 30534 DATE 2/23/85	CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT APPROVED BY: <i>[Signature]</i> BY DATE: 12-18-85 PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF PUB WKS ENGR	STORM DRAIN PLAN AND PROFILE GATEWAY DRIVE STA. 17 90.55 TO 24 28.20 PARCEL MAP NO. 19617 SCALE: HORIZ. 1" = 40', VERT. 1" = 4' INDEXED BY CP	ACCOUNT NO. DRAWING NUMBER D-480 SHEET 4 OF 13
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PROFILE
 HORIZ. 1" = 40'
 VERT. 1" = 4'

CONSTRUCTION NOTES

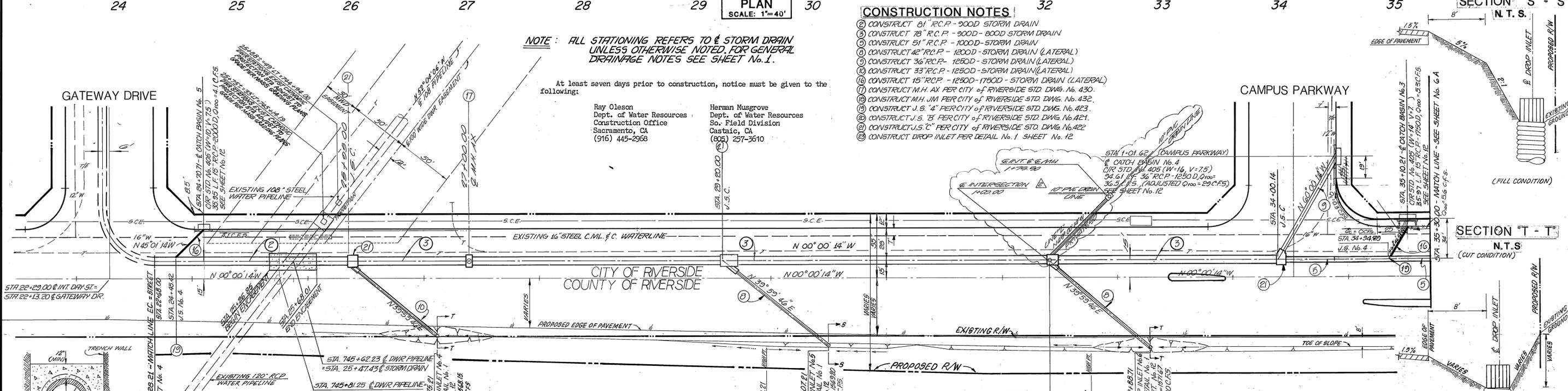
- 1) CONSTRUCT 81" R.C.P. - 900D STORM DRAIN
- 2) CONSTRUCT 78" R.C.P. - 900D - 800D STORM DRAIN
- 3) CONSTRUCT 51" R.C.P. - 1000D - STORM DRAIN
- 4) CONSTRUCT 42" R.C.P. - 1200D - STORM DRAIN (LATERAL)
- 5) CONSTRUCT 36" R.C.P. - 1250D - STORM DRAIN (LATERAL)
- 6) CONSTRUCT 33" R.C.P. - 1250D - STORM DRAIN (LATERAL)
- 7) CONSTRUCT 15" R.C.P. - 1250D - 1150D - STORM DRAIN (LATERAL)
- 8) CONSTRUCT M.H. AX PER CITY OF RIVERSIDE STD. DWG. No. 430.
- 9) CONSTRUCT M.H. JM PER CITY OF RIVERSIDE STD. DWG. No. 432.
- 10) CONSTRUCT J.S. "A" PER CITY OF RIVERSIDE STD. DWG. No. 421.
- 11) CONSTRUCT J.S. "B" PER CITY OF RIVERSIDE STD. DWG. No. 421.
- 12) CONSTRUCT J.S. "C" PER CITY OF RIVERSIDE STD. DWG. No. 422
- 13) CONSTRUCT DROP INLET PER DETAIL No. 1 SHEET No. 12

NOTE: ALL STATIONING REFERS TO STORM DRAIN UNLESS OTHERWISE NOTED. FOR GENERAL DRAINAGE NOTES SEE SHEET No. 1.

At least seven days prior to construction, notice must be given to the following:

Ray Olsson
 Dept. of Water Resources
 Construction Office
 Sacramento, CA
 (916) 445-2968

Herman Musgrove
 Dept. of Water Resources
 So. Field Division
 Castaic, CA
 (909) 257-3610



MANHOLE STRUCTURE JM DATA

STATION	A	B	C	D ₁	D ₂	E	L	ELEV. R	ELEV. S
32+00.00	40"	46"	10.4'	78"	78"	8.8'	9.5'	1562.50	1562.90
1408.82	40"	46"	8.16'	78"	78"	8.0'	7.0'	1562.42	1562.82

JUNCTION STRUCTURE C DATA

STATION	A	B	C	D	D ₁	D ₂	E	L	ELEV. R	ELEV. S
29+20.00	40"	42"	10.4'	78"	78"	8.8'	9.5'	1561.60	1561.50	
25+25.00	40"	33"	10.0'	81"	78"	8.1'	8.1'	1560.20	1560.04	
34+00.14	60"	36"	7.0'	78"	51"	4.8'	6.8'	1564.55	1564.40	

GENERAL TELEPHONE COMPANY
 10-8-80
 REVIEWED & APPROVED BY: [Signature] DATE: 11/27/85

SOUTHERN CALIFORNIA EDISON
 12-27-91
 REVIEWED & APPROVED BY: [Signature] DATE: 12-2-85

CITY OF RIVERSIDE, CALIF.
 REVIEWED & APPROVED BY: [Signature] DATE: 12/28/85

EASTERN MUNICIPAL WATER DISTRICT
 REVIEWED BY: [Signature] DATE: 11/27/85

BENCH MARK: RIV. CO. B.M.
 BRASS DISC MARKED M-64-69 IN THE CENTER OF A 8" x 16" HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53' WEST OF DAY ST. & 23' S.E. OF N.E. CORNER OF A.C.S.D.H. R/W FENCE. ELEVATION = 1612.241

Greiner Engineering of California
 5225 Canyon Crest Drive
 Bldg. 200, Suite 253
 Riverside, California 92507
 (714) 351-8328
 (714) 788-7746

PLANS PREPARED UNDER THE DIRECTION OF: [Signature] R.C.E. NO. 30534 DATE 9/25/85

FUSCOE WILLIAMS LINDGREN & SHORT
 2500 Redhill Avenue, Suite 100
 San Jose, California 95128
 (714) 250-1500
 FAX (714) 250-7420

DATE: 10/10/90

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT

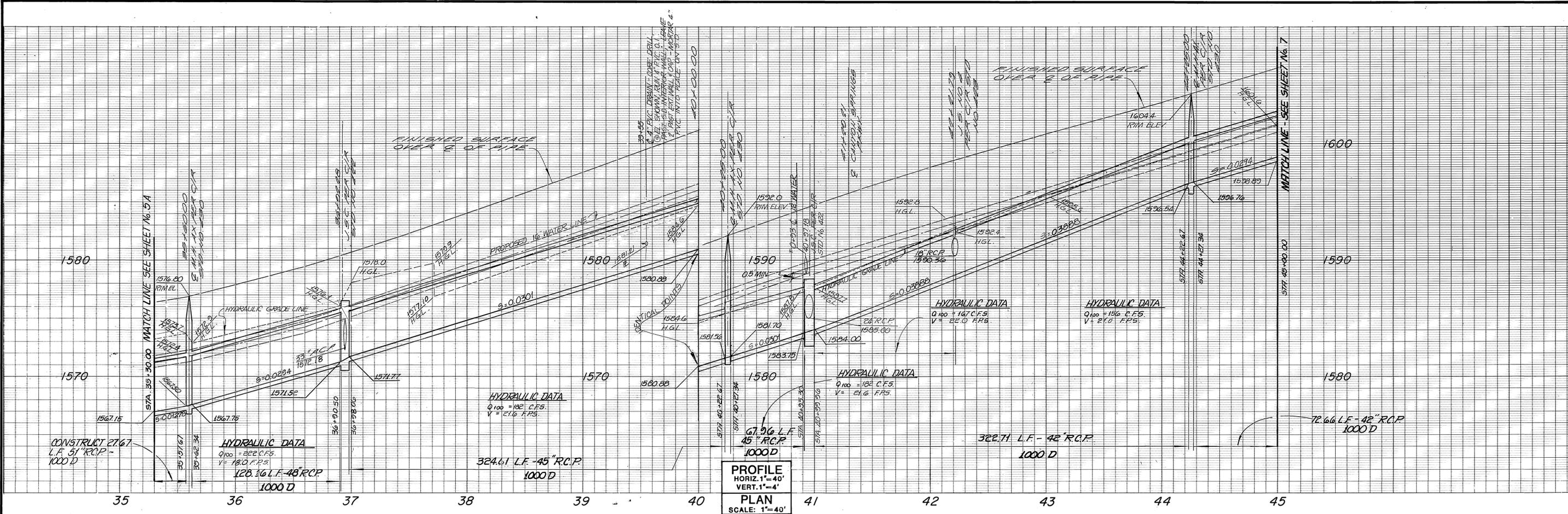
APPROVED BY: [Signature] DATE: 11/27/85

PRINCIPAL ENGINEER: [Signature]
 PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF PUB. WKS. ENGR: [Signature]

STORM DRAIN PLAN AND PROFILE
DAY STREET
 STA. 24+28.21 TO STA. 35+30.00
 PARCEL MAP No. 19617

SCALE: HORIZ. 1" = 40', VERT. 1" = 4'

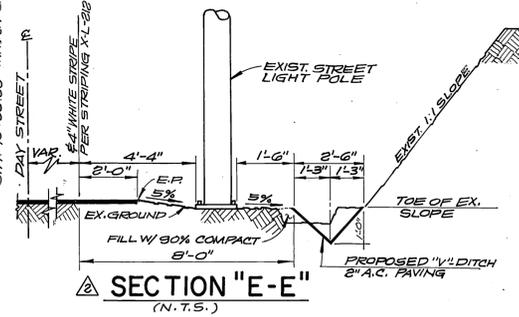
ACCOUNT NO.
 DRAWING NUMBER: **D-480**
 SHEET **5 A** OF **13**



NOTE: ALL STATIONING REFERS TO A STORM DRAIN UNLESS OTHERWISE NOTED. FOR GENERAL DRAINAGE NOTES SEE SHEET No. 1

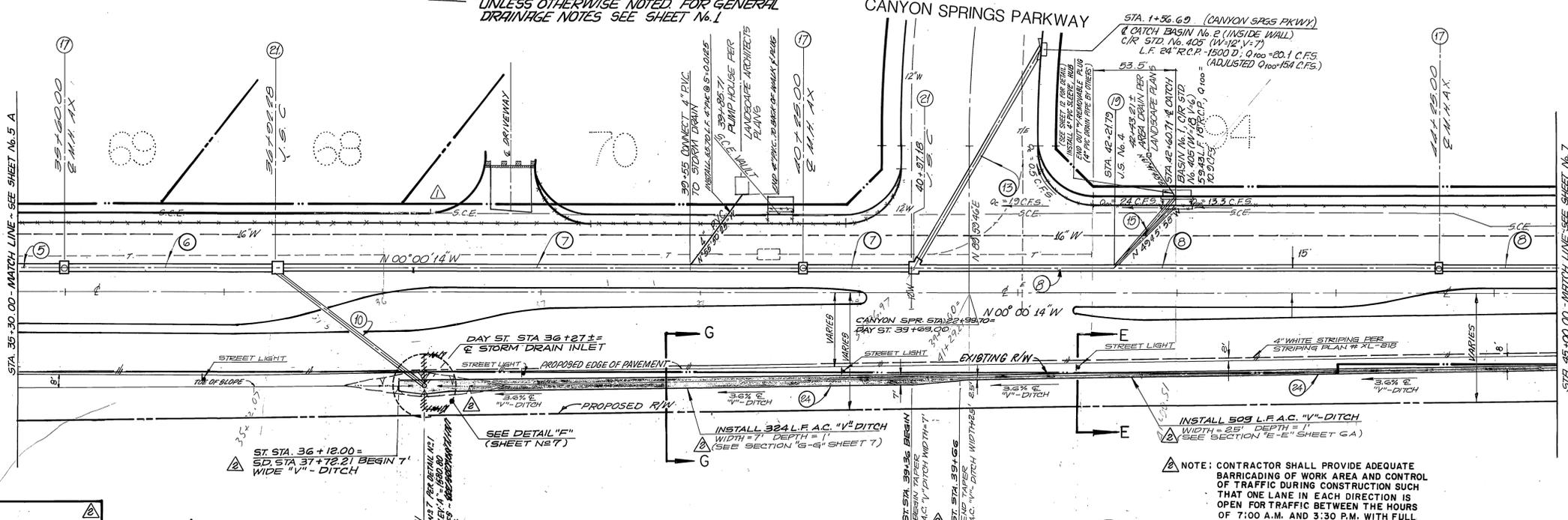
CONSTRUCTION NOTES

- 5) CONSTRUCT 51" R.C.P. ~ 1000 D STORM DRAIN
- 6) CONSTRUCT 48" R.C.P. ~ 1000 D STORM DRAIN
- 7) CONSTRUCT 45" R.C.P. ~ 1000 D STORM DRAIN
- 8) CONSTRUCT 42" R.C.P. ~ 1000 D STORM DRAIN
- 9) CONSTRUCT 38" R.C.P. ~ 1250 D STORM DRAIN
- 10) CONSTRUCT 24" R.C.P. ~ 1500 D STORM DRAIN
- 11) CONSTRUCT 18" R.C.P. ~ 2000 D STORM DRAIN
- 12) CONSTRUCT M.H. AX PER CITY OF RIVERSIDE STD. DWG. No. 430
- 13) CONSTRUCT J.S. No. 4 PER CITY OF RIVERSIDE STD. DWG. No. 423
- 14) CONSTRUCT J.S.C. PER CITY OF RIVERSIDE STD. DWG. No. 422
- 15) CONSTRUCT DROP INLET PER DETAIL No. 1 SHEET No. 12
- 16) CONSTRUCT A.C. "V"-DITCH PER DETAILS SH. T. 1 & HEREON.



JUNCTION STRUCTURE "C" DATA

STATION	A	B	C	D	D ₂	E	L'	ELEV. R	ELEV. S
36+92.28	40'	30'	72'	45'	48'	6.0'	7.4'		
40+97.18	60'	24'	4.5'	42'	45'	3.2'	5.5'	1535.32	1535.20



CITY OF MORENO VALLEY

APPROVED BY: CITY ENGINEER:

GENERAL TELEPHONE COMPANY
 REVIEWED & APPROVED BY: DATE: 12/23/85
 SOUTHERN CALIFORNIA EDISON
 REVIEWED & APPROVED BY: DATE: 12-2-85

CITY OF RIVERSIDE, CALIF.
 REVIEWED & APPROVED BY: DATE: 12/23/85
 EASTERN MUNICIPAL WATER DISTRICT
 REVIEWED BY: DATE: 11/21/85

BENCH MARK: RIV. CO: B.M.
 BRASS DISC MARKED M-64-69 IN THE CENTER OF A 8" x 16' HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53' WEST OF DAY ST. & 23' S.E. OF N.E. CORNER OF A.C.S.D.H. R/W FENCE. ELEVATION = 1612.241

Greiner
 Greiner Engineering of California
 5225 Canyon Crest Drive
 Bldg. 200, Suite 253
 Riverside, California 92507
 (714) 351-8328
 (714) 788-7748
 A Greiner Engineering, Inc. Company

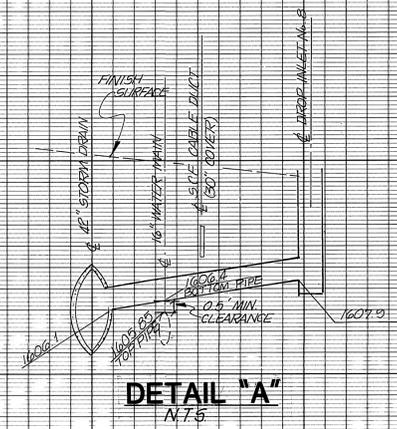
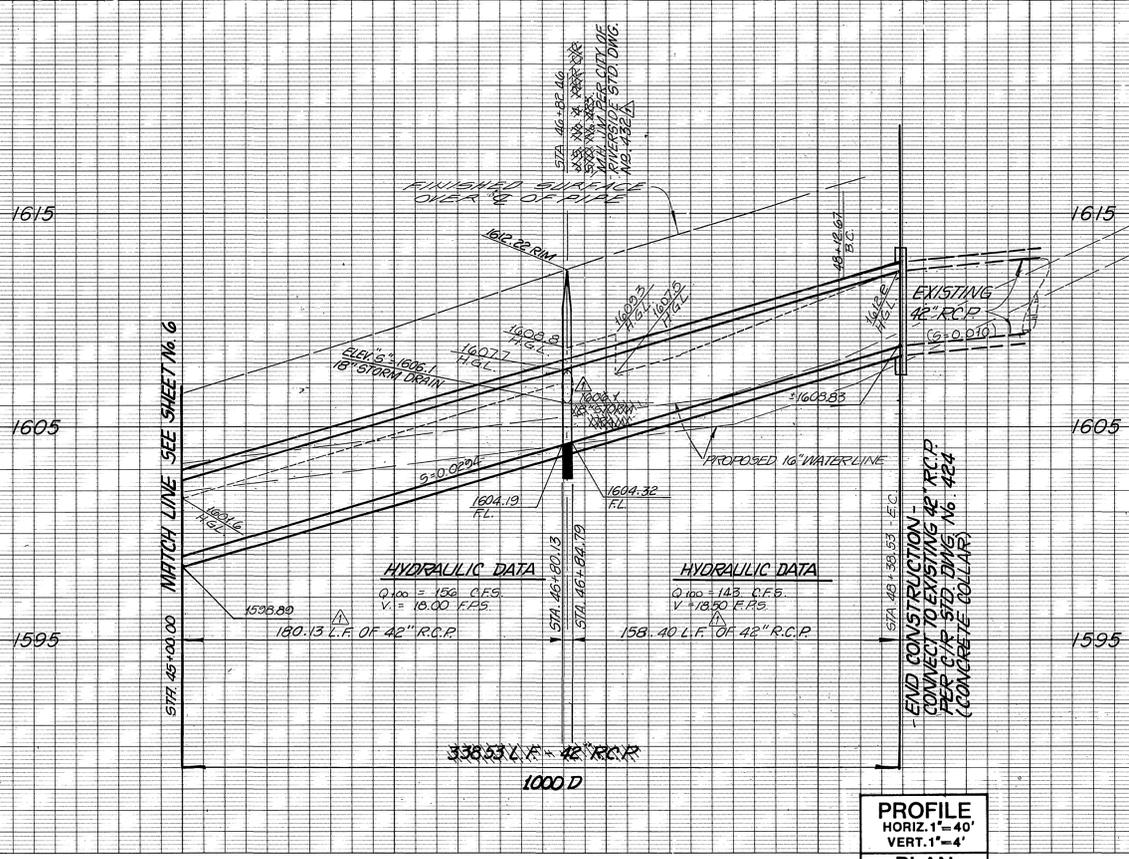
ADDED A.C. "V"-DITCH IN R/W ELY @ DAY ST.
 SHEET 6A REPLACES SHEET 6 TO REFLECT ADDED IMPROVEMENTS TO DAY STREET

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: DATE: 12/23/85
 PRINCIPAL ENGINEER: PARK DEPARTMENT
 TRAFFIC DIVISION
 CHIEF PUB WKS ENGR.

STORM DRAIN PLAN AND PROFILE
 DAY STREET
 STA 35+00.00 TO 45+00.00
 PARCEL MAP NO. 19617
 SCALE: HORIZ. 1"=40', VERT. 1"=4'

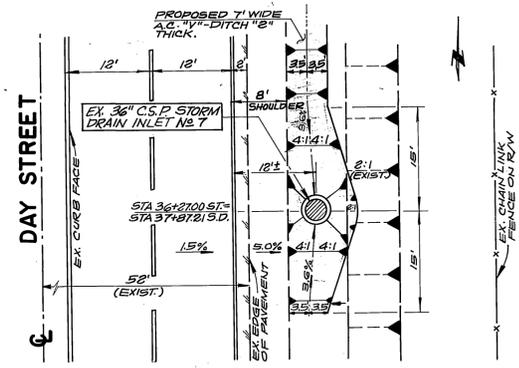
INDEXED BY CD

ACCOUNT NO.
 DRAWING NUMBER
D-480
 SHEET 6 A OF 13



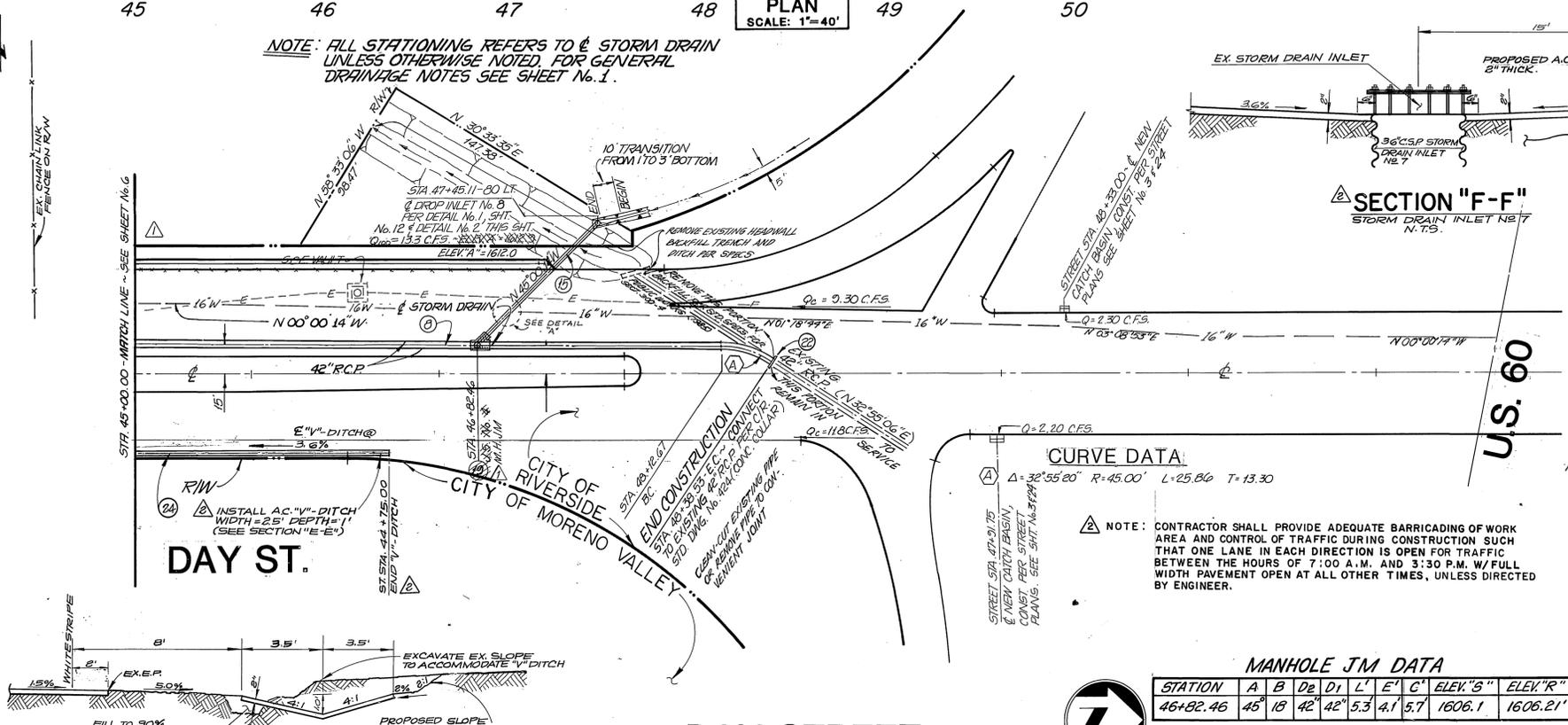
PROFILE
HORIZ. 1" = 40'
VERT. 1" = 4'
SCALE: 1" = 40'

45 46 47 48 49 50



DETAIL "F"
PAVING OF STORM DRAIN
INLET AT DAY STREET
STA. 36+2700
N.T.S.

NOTE: ALL STATIONING REFERS TO STORM DRAIN
UNLESS OTHERWISE NOTED. FOR GENERAL
DRAINAGE NOTES SEE SHEET No. 1.



SECTION "F-F"
STORM DRAIN INLET No. 7
N.T.S.

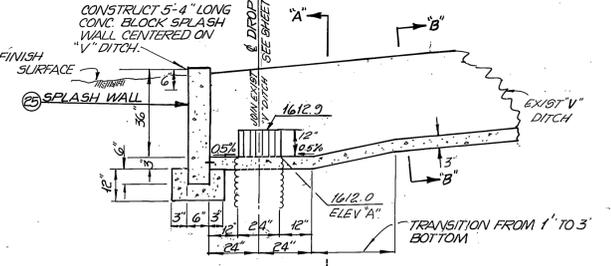
CURVE DATA
Δ = 32°55'20" R = 45.00' L = 25.86' T = 13.30

MANHOLE J.M. DATA

STATION	A	B	D ₂	D ₁	L	E	C	ELEV "S"	ELEV "R"
46+82.46	45	18	42	42	5.3	4.1	5.7	1606.1	1606.21

CONSTRUCTION NOTES

- CONSTRUCT 42" R.C.P. - 1000D STORM DRAIN
- CONSTRUCT 18" R.C.P. - 1500D STORM DRAIN
- CONSTRUCT CONCRETE COLLAR PER CITY OF RIVERSIDE STD. DWG. No. 424.
- CONSTRUCT DROP INLET PER DETAIL No. 1 SHEET No. 12.
- CONSTRUCT SPLASH WALL PER DETAIL No. 2 THIS SHEET.
- CONSTRUCT J.S. No. 4 PER CITY OF RIVERSIDE DWG. No. 423.
- CONSTRUCT A.C. "V"-DITCH PER DETAILS HEREON.



SPLASH WALL & "V" DITCH
CONNECTION DETAIL
N.T.S.

CITY OF
MORENO VALLEY

APPROVED BY: _____
CITY ENGINEER:
DATE: _____
SOUTHERN CALIFORNIA EDISON
REVIEWED & APPROVED BY: *Donald W. Best* 12-2-85
DATE

COUNTY OF RIVERSIDE, CALIF.
REVIEWED & APPROVED BY: *Anna F. Baumgart* 12/23/85
DATE
EASTERN MUNICIPAL WATER DISTRICT
REVIEWED BY: *Joe Van Dille* 11/27/85
DATE

BENCH MARK: RIV. CO. B.M.
BRASS DISC MARKED M-64-69 IN THE
CENTER OF A 8" x 16' HDWL @ THE
S.W. CORNER OF HWY. 60 & DAY ST.
53" WEST OF DAY ST. & 23" S.E. OF
N.E. CORNER OF A C.S.D.H. R/W FENCE.
ELEVATION = 1612.241

Greiner
Greiner Engineering of California
5225 Canyon Crest Drive
Bldg. 200, Suite 253
Riverside, California 92507
(714) 951-8328
(714) 788-7746
A Greiner Engineering, Inc. Company
PLANS PREPARED UNDER THE DIRECTION OF:
Brian J. Lyman R.C.E. NO. 30634 DATE 9/25/85

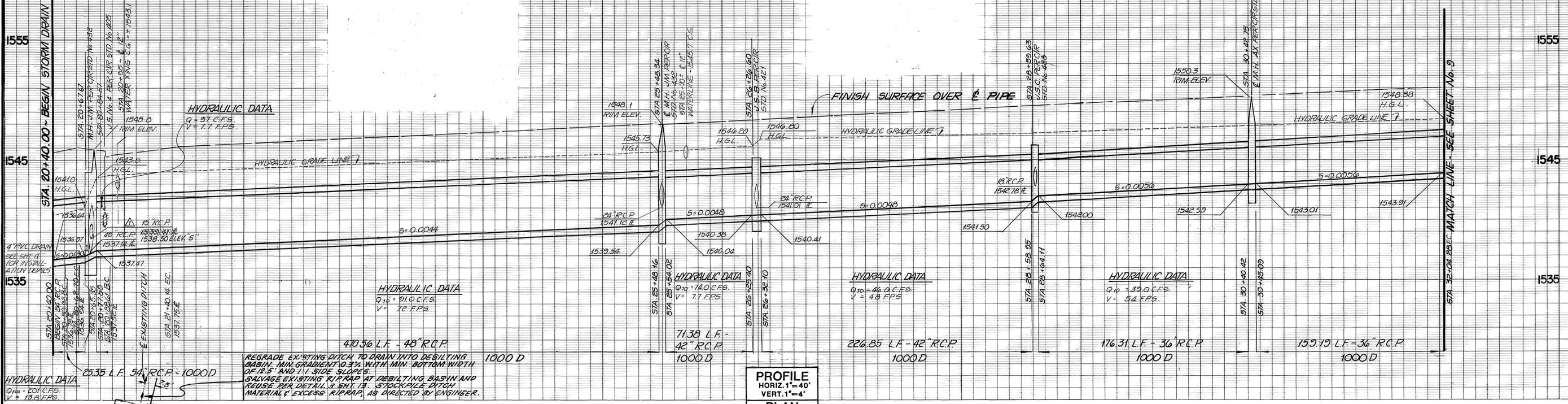
ADDED A.C. "V" DITCH IN R/W ELY OF DAY ST.
REVISION LINE "A" S.D. - NEW M.H. J.M.
AND MOVED CURB
REVISIONS
APPR. DATE
DESIGNED BY HA DRAWN BY JDS CHECKED BY BLS

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: _____
PRINCIPAL ENGINEER: *William D. Hardin*
DATE: 2-5-86
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF PUB WKS ENGR

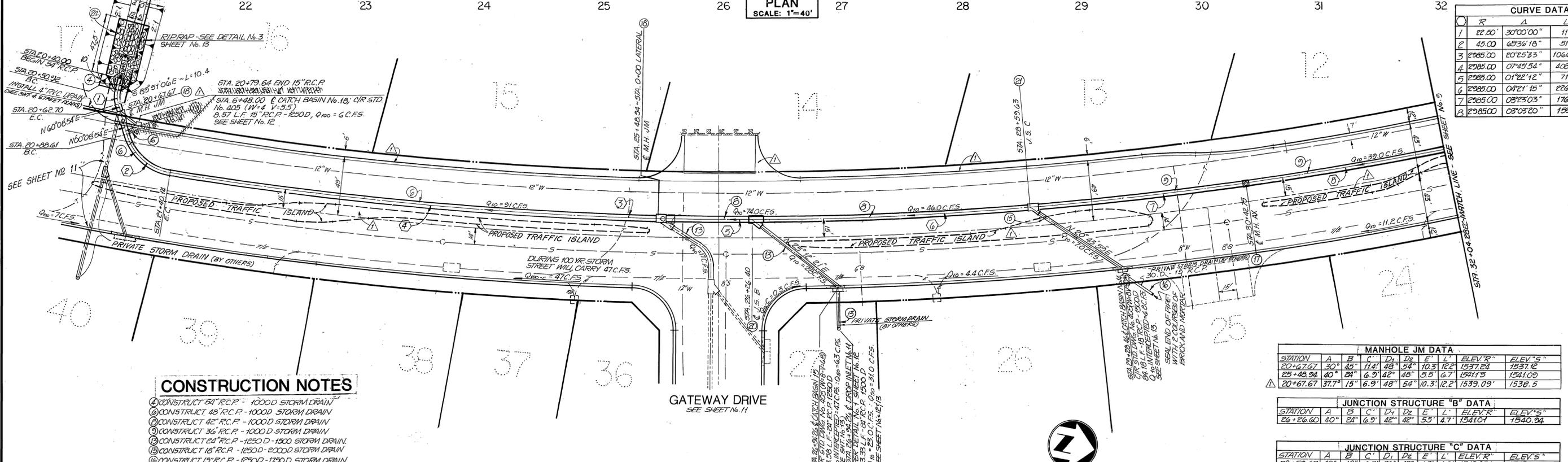
STORM DRAIN PLAN AND PROFILE
DAY STREET
STA. 45+00.00 TO 48+38.53
PARCEL MAP NO. 19617
SCALE: HORIZ. 1" = 40', VERT. 1" = 4'

INDEXED BY CD
ACCOUNT NO.
DRAWING NUMBER
D-480
SHEET 7 OF 13

83.12



PROFILE
HORIZ. 1"=40'
VERT. 1"=4'
SCALE: 1"=40'



CURVE DATA				
Station	R	A	L	T
1	22.50	30'00"00"	11.78'	6.03'
2	45.00	25'36"18"	51.53'	29.00'
3	2085.00	20'25"33"	1064.14'	537.78'
4	2085.00	07'49"54"	408.02'	204.33'
5	2085.00	01'22"12"	71.38'	35.69'
6	2085.00	04'21"15"	226.85'	113.48'
7	2085.00	03'23"03"	176.31'	88.18'
8	2085.00	03'03"20"	159.19'	79.61'

CONSTRUCTION NOTES

- 1) CONSTRUCT 54" R.C.P. - 1000D STORM DRAIN
- 2) CONSTRUCT 48" R.C.P. - 1000D STORM DRAIN
- 3) CONSTRUCT 42" R.C.P. - 1000D STORM DRAIN
- 4) CONSTRUCT 36" R.C.P. - 1000D STORM DRAIN
- 5) CONSTRUCT 24" R.C.P. - 1250D - 1500D STORM DRAIN
- 6) CONSTRUCT 18" R.C.P. - 1250D - 2000D STORM DRAIN
- 7) CONSTRUCT 15" R.C.P. - 1250D - 1100D STORM DRAIN
- 8) CONSTRUCT M.H. AX PER CITY OF RIVERSIDE STD. DWG. No. 430
- 9) CONSTRUCT M.H. JM PER CITY OF RIVERSIDE STD. DWG. No. 432
- 10) CONSTRUCT U.S. No. 4 PER CITY OF RIVERSIDE STD. DWG. No. 423
- 11) CONSTRUCT J.S. 'B' PER CITY OF RIVERSIDE STD. DWG. No. 421
- 12) CONSTRUCT J.S. 'C' PER CITY OF RIVERSIDE DWG. #422
- 13) CONSTRUCT DROP ALLET PER DETAIL NO. 1 SHEET #12
- 14) CONSTRUCT RIP RAP PER DETAIL NO. 3 SHEET #13

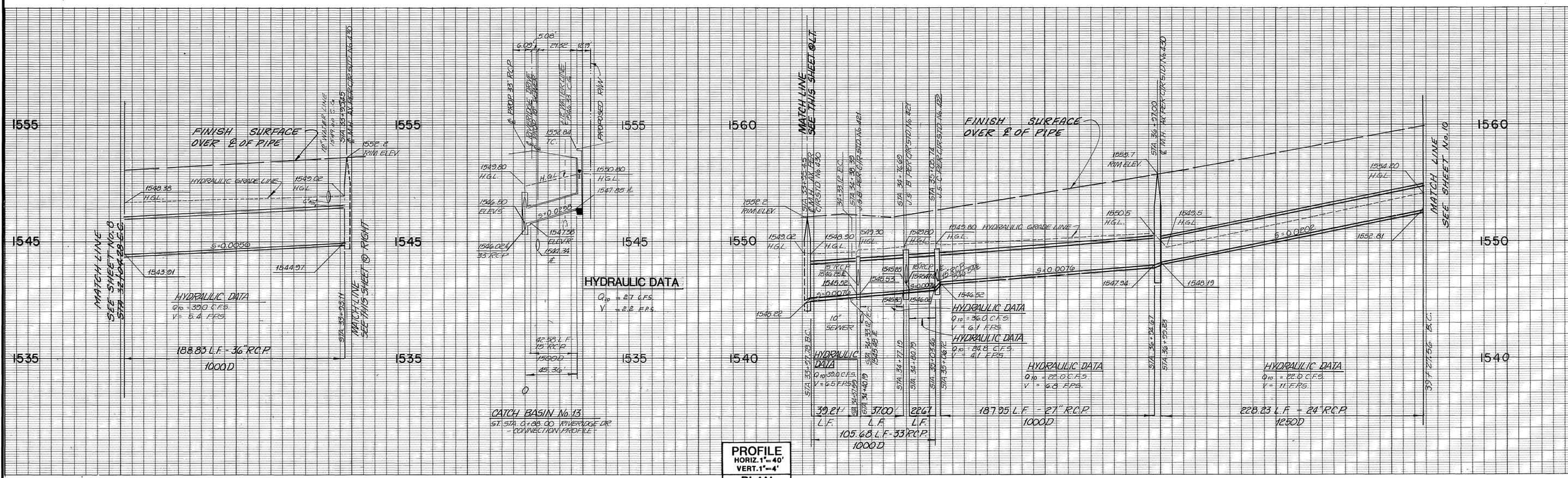
MANHOLE JM DATA									
STATION	A	B	C	D ₁	D ₂	E	L'	ELEV. R'	ELEV. S'
20+47.67	30"	45"	11.4'	48"	58"	10.5'	12.2'	1537.24	1537.12
25+48.94	40"	24"	6.9'	48"	48"	5.5'	6.7'	1541.09	1541.09
20+67.67	37.7"	15"	6.9'	48"	54"	10.3'	12.2'	1539.09'	1538.5

JUNCTION STRUCTURE "B" DATA									
STATION	A	B	C	D ₁	D ₂	E	L'	ELEV. R'	ELEV. S'
26+26.60	40"	24"	6.9'	48"	48"	5.5'	4.7'	1541.01	1540.94

JUNCTION STRUCTURE "C" DATA									
STATION	A	B	C	D ₁	D ₂	E	L'	ELEV. R'	ELEV. S'
28+59.63	40"	18"	6.3'	36"	48"	4.9'	6.0'	1542.80	1542.76

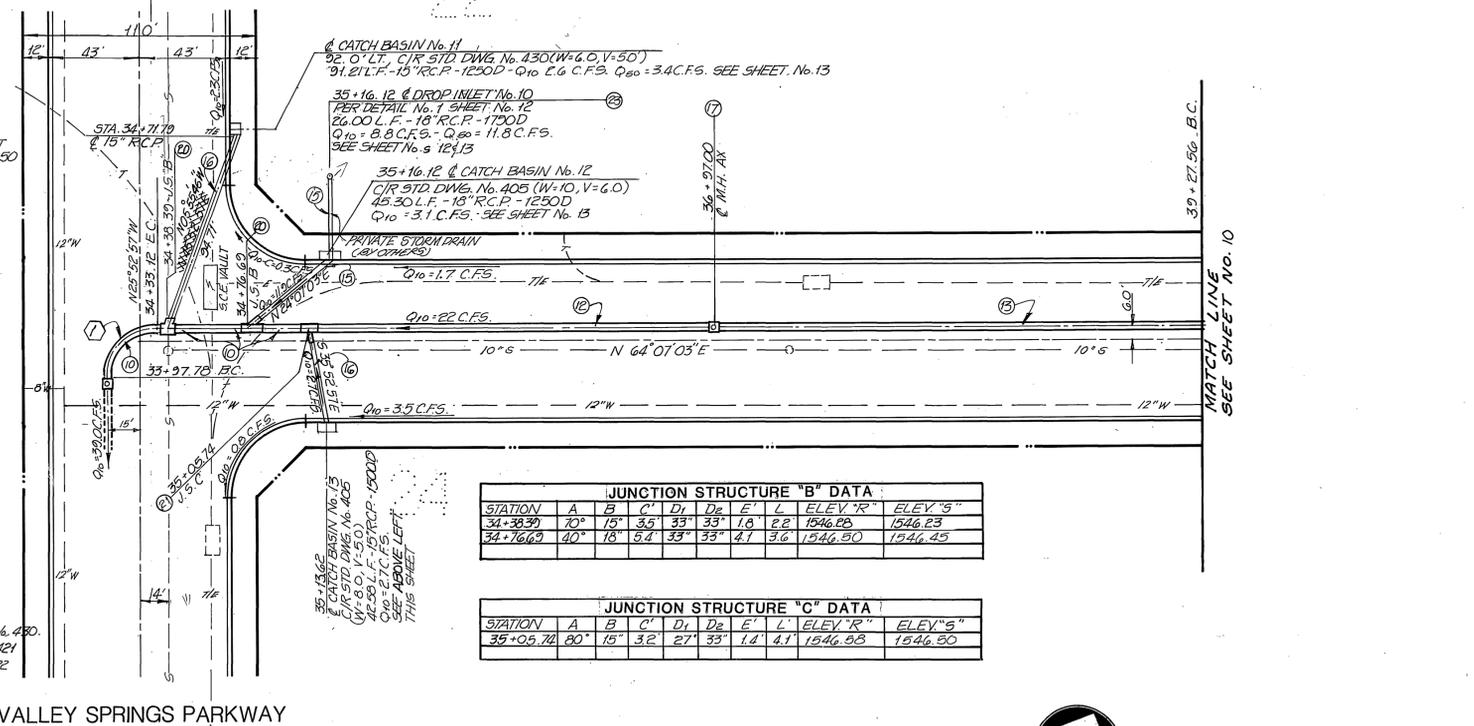
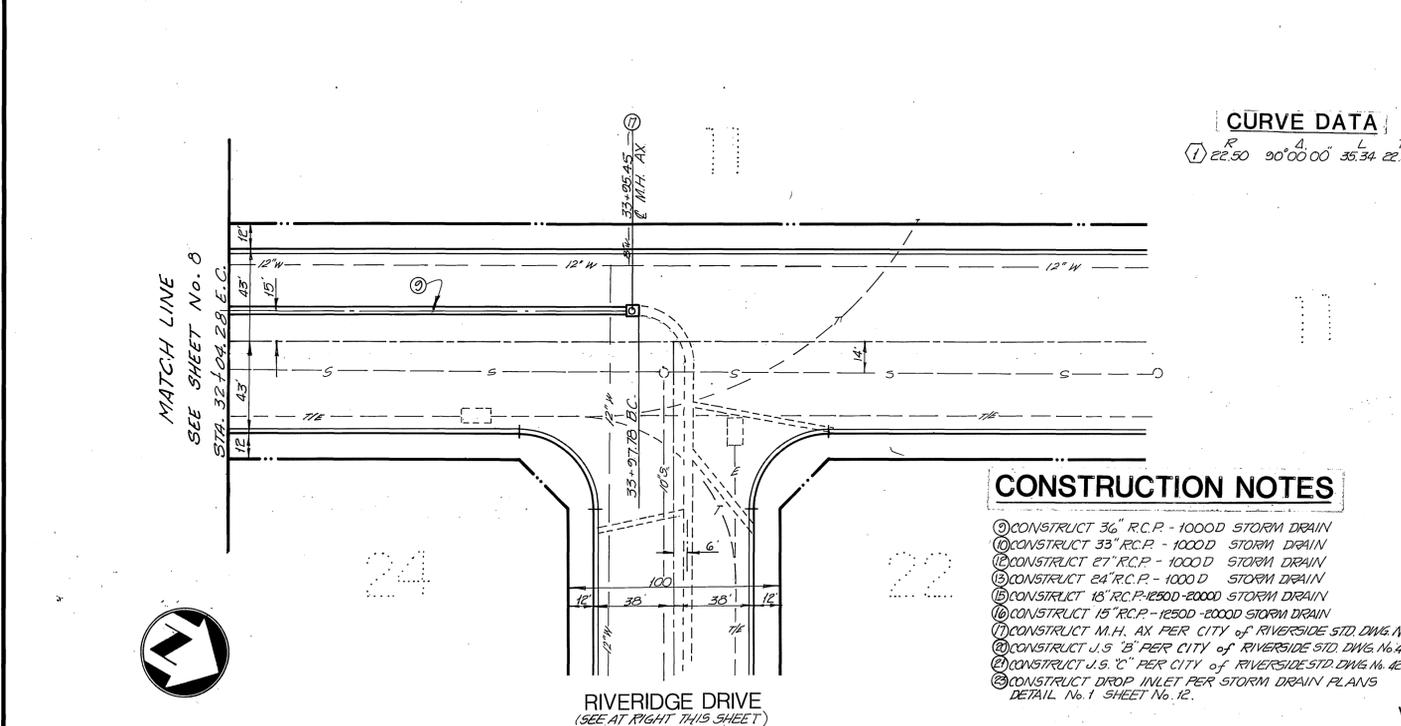
VALLEY SPRINGS PARKWAY

EASTERN MUNICIPAL WATER DISTRICT REVIEWED BY: _____ DATE: _____	GENERAL TELEPHONE COMPANY REVIEWED & APPROVED BY: _____ DATE: _____	BENCH MARK: RIV. CO. B.M. BRASS DISC MARKED M-64-69 IN THE CENTER OF A 8" x 16" HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53" WEST OF DAY ST. & 23" S.E. OF N.E. CORNER OF A C.S.D.H. R/W FENCE. ELEVATION = 1612.241	Greiner Engineering of California 5225 Canyon Crest Drive Bldg 200, Suite 253 Riverside, California 92507 (714) 351-8328 (714) 788-7746 A Greiner Engineering, Inc. Company
CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT APPROVED BY: _____ BY DATE: _____ PRINCIPAL ENGINEER PARK DEPARTMENT TRAFFIC DIVISION CHIEF PUB WKS ENGR		STORM DRAIN PLAN AND PROFILE VALLEY SPRINGS PARKWAY STA. 20+40.00 TO STA. 32+04.28 PARCEL MAP NO. 19617 SCALE: HORIZ. 1"=40', VERT. 1"=4'	
DESIGNED BY: _____ DRAWN BY: _____ CHECKED BY: _____ R.C.E. NO. 30534 DATE 9/25/85		ACCOUNT NO. _____ DRAWING NUMBER D-480 SHEET 8 of 13	



PROFILE
HORIZ. 1" = 40'
VERT. 1" = 4'
PLAN
SCALE: 1" = 40'

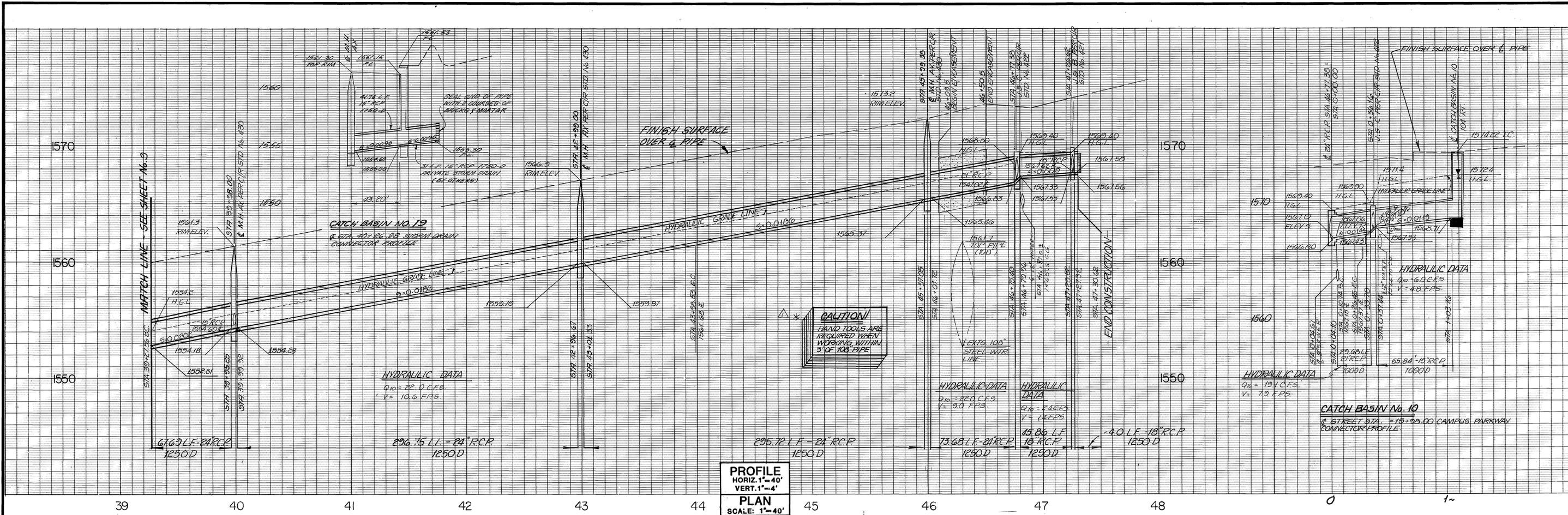
32 33 34 34 35 36 37 38 39



VALLEY SPRINGS PARKWAY

RIVERIDGE DRIVE

EASTERN MUNICIPAL WATER DISTRICT	GENERAL TELEPHONE COMPANY	BENCH MARK: RIV. CO. B.M.	Greiner Greiner Engineering of California 9225 Canyon Crest Drive Bldg. 200, Suite 253 Riverside, California 92507 (714) 951-8328 (714) 788-7746 A Greiner Engineering, Inc. Company	CITY OF RIVERSIDE, CALIFORNIA		STORM DRAIN PLAN & PROFILE		INDEXED BY CD
		BRASS DISC MARKED N-64-69 IN THE CENTER OF A 8" x 16" HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53" WEST OF DAY ST. & 23' S.B. OF N.E. CORNER OF A C.S.D.H. R/W FENCE. ELEVATION = 1612.241		PUBLIC WORKS DEPARTMENT		VALLEY SPRINGS PARKWAY STA. 33+98.78 TO STA. 39+27.56 RIVERIDGE DRIVE STA. 32+04.78 TO STA. 33+98.78		ACCOUNT NO.
REVIEWED BY: _____	DATE: _____	REVIEWED & APPROVED BY: _____	DATE: _____	APPROVED BY: _____	BY DATE: _____	APPROVED BY: _____	DRAWING NUMBER	D-480
PLANS PREPARED UNDER THE DIRECTION OF: _____				MARK: _____	REVISIONS: _____	APPR. DATE: _____	PARCEL MAP NO. 19617	SHEET 9 OF 13
DESIGNED BY: _____				MARK: _____	REVISIONS: _____	APPR. DATE: _____	SCALE: HORIZ. 1" = 40', VERT. 1" = 4'	



PROFILE
HORIZ. 1"=40'
VERT. 1"=4'
PLAN
SCALE: 1"=40'

CAUTION!
HAND TOOLS ARE
REQUIRED WHEN
WORKING WITHIN
3' OF 108\"/>

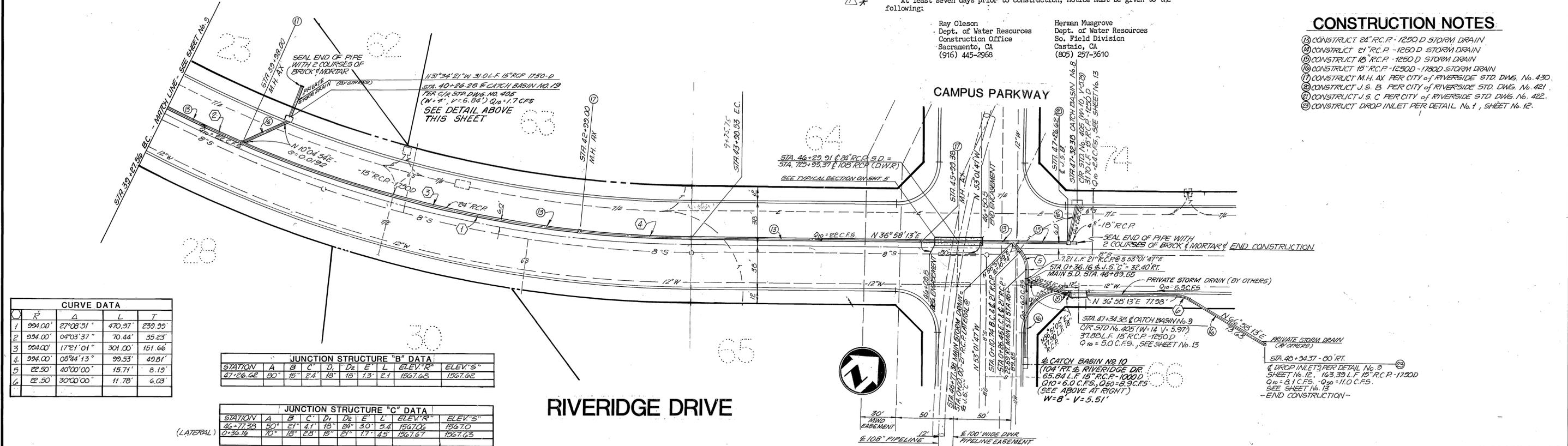
At least seven days prior to construction, notice must be given to the following:

Ray Oleson
Dept. of Water Resources
Construction Office
Sacramento, CA
(916) 445-2968

Herman Musgrove
Dept. of Water Resources
So. Field Division
Castaic, CA
(805) 257-3610

CONSTRUCTION NOTES

- ① CONSTRUCT 24" R.C.P. - 1250 D STORM DRAIN
- ② CONSTRUCT 21" R.C.P. - 1250 D STORM DRAIN
- ③ CONSTRUCT 18" R.C.P. - 1250 D STORM DRAIN
- ④ CONSTRUCT 15" R.C.P. - 1250 D STORM DRAIN
- ⑤ CONSTRUCT 15" R.C.P. - 1250 D STORM DRAIN
- ⑥ CONSTRUCT M.H. AX. PER CITY OF RIVERSIDE STD DWG. No. 430
- ⑦ CONSTRUCT J.S. B. PER CITY OF RIVERSIDE STD DWG. No. 421
- ⑧ CONSTRUCT J.S. C. PER CITY OF RIVERSIDE STD DWG. No. 422
- ⑨ CONSTRUCT DROP INLET PER DETAIL No. 1, SHEET No. 12.



CURVE DATA

STATION	R	Δ	L	T
1	994.00'	27°08'51"	470.97'	239.99'
2	994.00'	04°03'37"	70.44'	35.23'
3	994.00'	17°21'01"	301.00'	151.66'
4	994.00'	05°44'13"	99.53'	49.81'
5	22.50'	40°00'00"	15.71'	8.19'
6	22.50'	30°00'00"	11.78'	6.03'

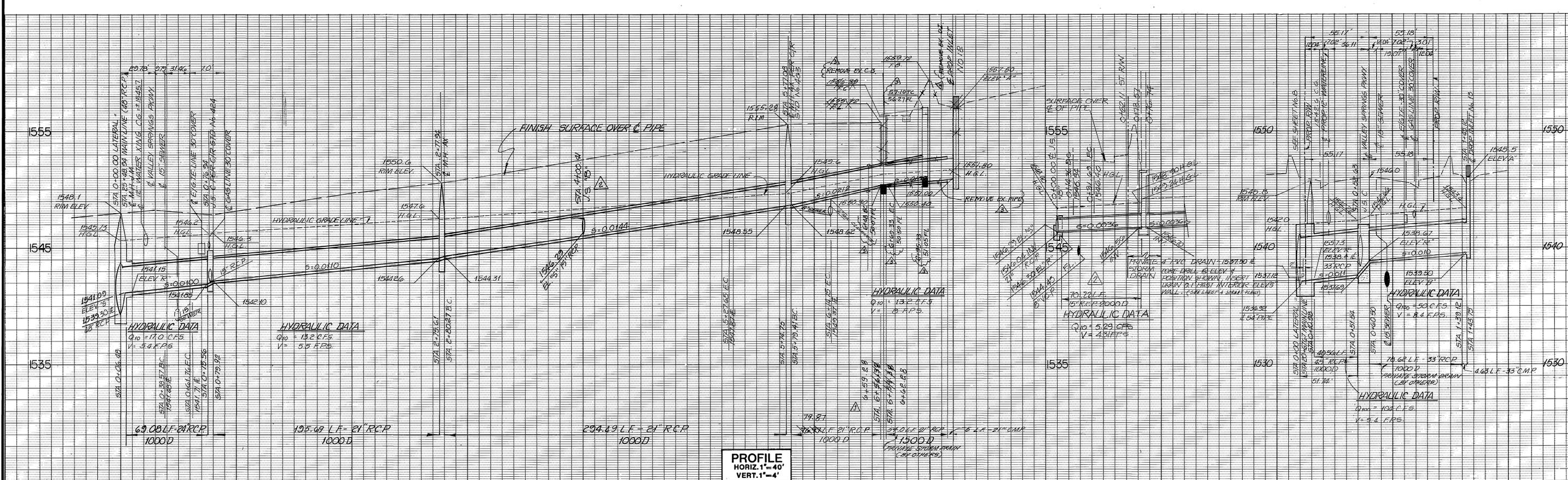
JUNCTION STRUCTURE "B" DATA

STATION	A	B	C	D	D ₂	E	L	ELEV. "S"	ELEV. "R"
47+26.62	30"	15"	24"	18"	18"	13"	2.1	1567.63	1567.62

JUNCTION STRUCTURE "C" DATA

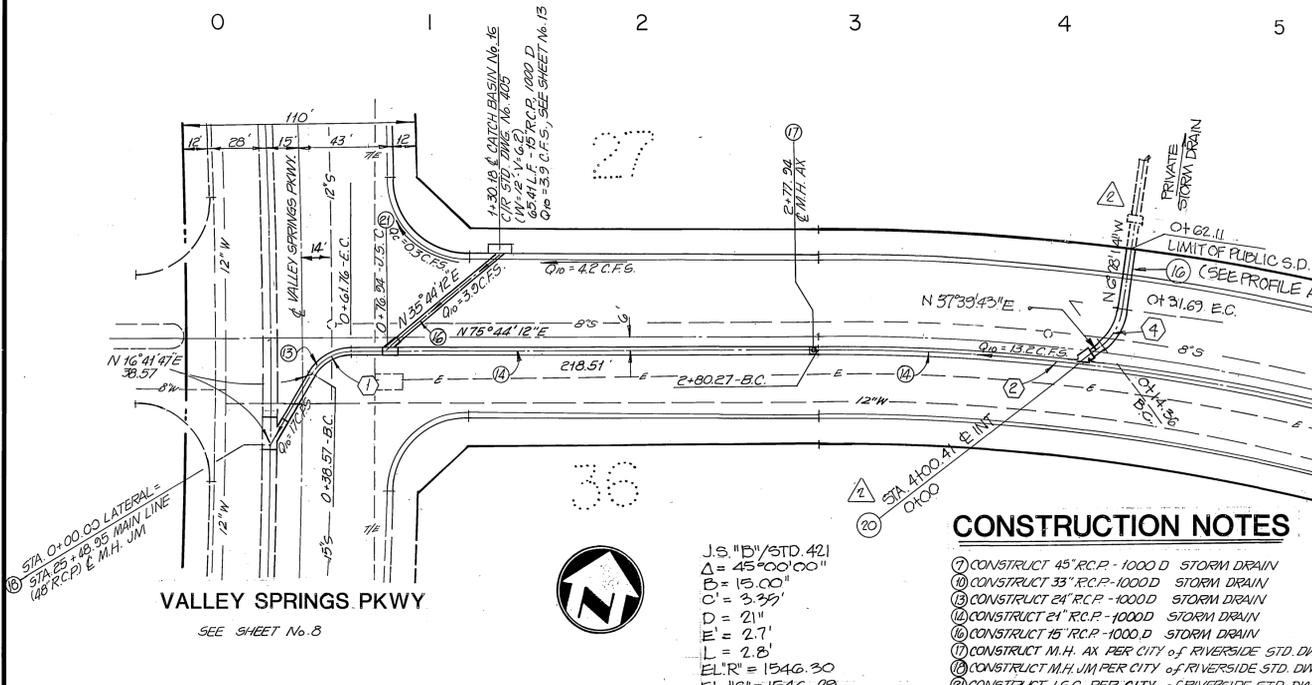
STATION	A	B	C	D	D ₂	E	L	ELEV. "S"	ELEV. "R"
46+77.33	50"	21"	41"	18"	24"	30"	5.4	1567.06	1567.0
(LATERAL)	0+36.16	10"	15"	23"	15"	21"	1.7	1567.67	1567.63

<p>EASTERN MUNICIPAL WATER DISTRICT</p> <p>REVIEWED BY: _____ DATE: _____</p>	<p>GENERAL TELEPHONE COMPANY</p> <p>REVIEWED & APPROVED BY: _____ DATE: _____</p>	<p>BENCH MARK: RIV. CO. B.M. BRASS DISC MARKED M-64-69 IN THE CENTER OF A 8" x 16" HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53' WEST OF DAY ST. & 23' S.E. OF N.E. CORNER OF A C.S.D.H. R/W FENCE. ELEVATION = 1612.241</p>	<p>Greiner Greiner Engineering of California 5225 Canyon Crest Drive Bldg. 200, Suite 253 Riverside, California 92507 (714) 951-8328 (714) 788-7748 A Greiner Engineering, Inc. Company</p>
<p>CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT</p> <p>APPROVED BY: _____ BY DATE: _____ PRINCIPAL ENGINEER: _____ TRAFFIC DIVISION: _____ CHIEF PUB WKS ENGR: _____</p>		<p>STORM DRAIN PLAN AND PROFILE</p> <p>RIVERIDGE DRIVE</p> <p>STA. 39 27.56 TO 47 30.54</p> <p>PARCEL MAP NO. 19617</p> <p>SCALE: HORIZ. 1"=40', VERT. 1"=4'</p>	
<p>DESIGNED BY HA: _____ DRAWN BY JDS: _____ CHECKED BY BLJ: _____</p>		<p>ACCOUNT NO. _____ DRAWING NUMBER: D-480 SHEET: 10 OF 13</p>	



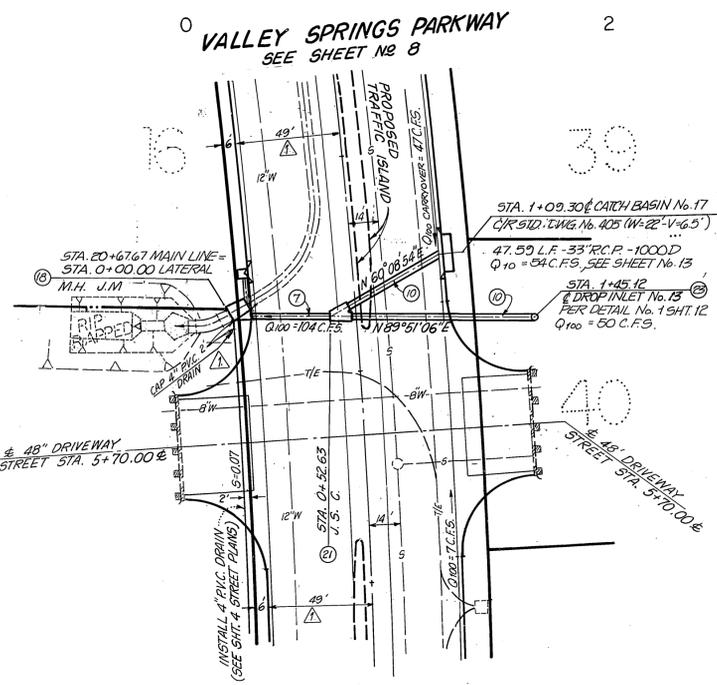
PROFILE
HORIZ. 1"=40'
VERT. 1"=4'
PLAN
SCALE: 1"=40'

STATION	A	B	C	D	D ₁	E	L	ELEV. "R"	ELEV. "S"
0+76.94	40'	18'	25'	24'	21'	34'	52'	1542.20	1542.11
0+32.63	30'	33'	9.5'	45'	33'	8.3'	9.8'	1538.50	1538.50



CONSTRUCTION NOTES

- ⑦ CONSTRUCT 45" R.C.P. - 1000 D STORM DRAIN
- ⑧ CONSTRUCT 33" R.C.P. - 1000 D STORM DRAIN
- ⑨ CONSTRUCT 24" R.C.P. - 1000 D STORM DRAIN
- ⑩ CONSTRUCT 24" R.C.P. - 1000 D STORM DRAIN
- ⑪ CONSTRUCT 15" R.C.P. - 1000 D STORM DRAIN
- ⑫ CONSTRUCT M.H. AX PER CITY OF RIVERSIDE STD. DWG. No. 430
- ⑬ CONSTRUCT M.H. JM PER CITY OF RIVERSIDE STD. DWG. No. 432
- ⑭ CONSTRUCT U.S.C. PER CITY OF RIVERSIDE STD. DWG. No. 422
- ⑮ CONSTRUCT DROP INLET PER STORM DRAIN PLANS, DETAIL No. 1 SHEET No. 12.
- ⑯ CONSTRUCT JUNCTION STRUCTURE "B" PER CITY OF RIVERSIDE STD. 421.
- ⑰ CONSTRUCT 15" R.C.P., 2000 D, STORM DRAIN.



VALLEY SPRINGS PARKWAY

Curve No.	R	Δ	L	T
1	22.50'	59°02'25"	23.19'	12.74'
2	924.00'	14°15'34"	247.38'	124.33'
3	45.00'	45°00'00"	35.34'	18.64'
4	22.50'	44°07'57"	17.33'	9.12'

GATEWAY DRIVE

ROBERT FISCH AND ASSOCIATES
2050 SO. SANTA CRUZ, SUITE 2100
ANAHEIM CA 92805 (714) 938-6090
FOR REVISION ONLY
PREPARED UNDER THE SUPERVISION OF
Robert Fisch
PE No. 42920 EXP. 5-31-96
DATE 3-29-94



BENCH MARK: RIV. CO: B.M.
BRASS DISC MARKED M-64-69 IN THE CENTER OF A 8" x 16" HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53' WEST OF DAY ST. & 23' S.E. OF N.E. CORNER OF A.C.S.D.H. R/W FENCE. ELEVATION = 1612.241



Greiner Engineering of California
5225 Canyon Crest Drive
Bldg 200, Suite 250
Riverside, California 92507
(714) 351-8328
(714) 788-7748
A Greiner Engineering, Inc. Company

JFD
J.F. Davidson Associates, Inc.
Riverside, CA 92502
686-0844 FAX: 686-5954



**CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT**

APPROVED BY: *[Signature]* DATE: 2-5-86
PRINCIPAL ENGINEER
PARK DEPARTMENT
TRAFFIC DIVISION
CHIEF PUB WKS ENGR

**STORM DRAIN PLAN AND PROFILE
GATEWAY DRIVE**

STA. 0+00.00 TO STA. 7+17.93
VALLEY SPRINGS PARKWAY
STA. 0+00.00 TO STA. 1+45.12
PARCEL MAP NO. 19617
SCALE: HORIZ. 1"=40', VERT. 1"=4'

INDEXED BY CD
ACCOUNT NO.
DRAWING NUMBER
D-480
SHEET 11 of 13

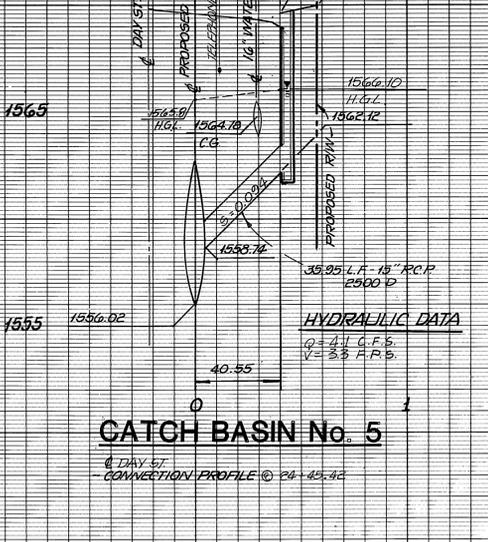
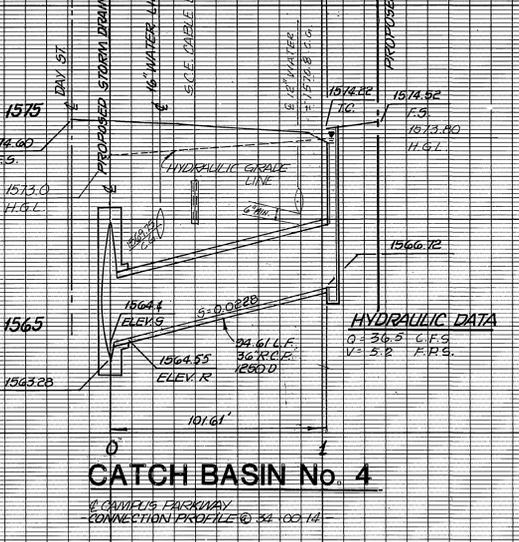
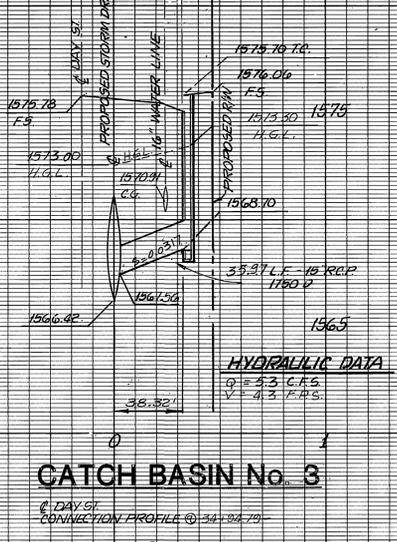
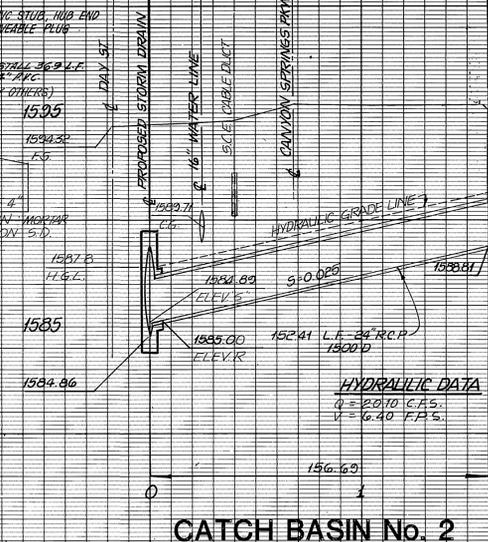
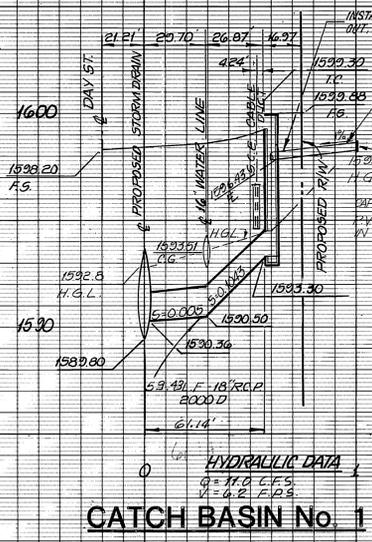
REVIEWED BY: _____ DATE: _____
EASTERN MUNICIPAL WATER DISTRICT

REVIEWED & APPROVED BY: _____ DATE: _____
GENERAL TELEPHONE COMPANY

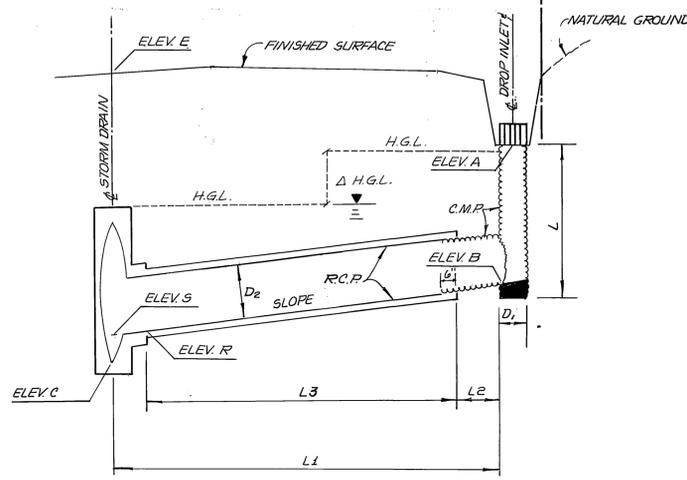
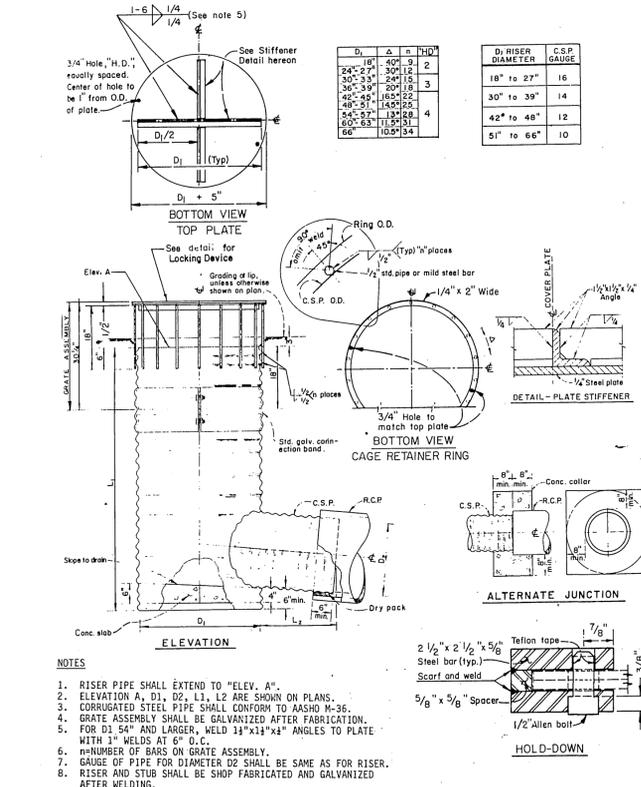
PLANS PREPARED UNDER THE DIRECTION OF:
[Signature] R.C.E. NO. 30534 DATE 9/29/85

DESIGNED BY HA DRAWN BY JDS CHECKED BY RLJ

DATE 2-5-86



PROFILE
 HORIZ. 1" = 40'
 VERT. 1" = 4'
 PLAN
 SCALE: 1" = 40'



DATA FOR DROP INLETS & CONNECTOR PIPES

INLET NO.	RISER DIA.	ELEVATIONS					DIMENSIONS					Q-CFS	ANGLE OF CON-FLUENCE	SLOPE FT/1000	MAX. COVER FT.	D-LOAD	H.G.L.	
		A	B	C	E	R	D1	D2	L FT.	L1 FT.	L2 FT.							L3 FT.
1	2	1557.2	1551.7	1546.13	1557.7	1549.00	36"	24"	6'-0"	17.5	2.0	12.125	12.1	90.0°	150.0	5.0	1250	1556.6
2	3	1556.0	1551.0	1546.15	1556.6	1547.00	24"	21"	5.5'	14.66	2.0	7.48	11.0	50.0°	359.0	7.3	1500	1555.4
3	3	1557.6	1550.6	1546.0	1560.0	1545.74	36"	36"	7.0'	3.40	—	3.40	34.0	0.0°	27.0	9.0	1750	1556.0
4	5	1568.15	1561.5	1559.93	1570.64	1560.00	36"	33"	6.5'	93.4	5.40	87.00	29.0	40.0°	15.4	8.0	1500	1566.8
5	5	1569.20	1562.4	1561.10	1573.67	1561.60	48"	42"	6.8'	91.34	5.4	103.00	80.0	40.0°	10.0	7.0	1200	1569.61
6	5	1571.67	1564.57	1562.42	1573.30	1562.78	48"	42"	6.8'	87.45	5.4	105.00	81.0	40.0°	27.0	6.0	1200	1571.7
7	6	1580.80	1573.00	1571.47	1580.89	1572.18	36"	33"	6.0'	88.73	5.4	102.00	40.0	40.0°	10.0	5.3	1250	1578.0
8	7	1612.00	1607.90	1604.43	1613.0	1608.1	24"	18"	5.0	84.36	4.0	80.36	13.3	45.0°	21.3	7.0	1500	1608.0
9	10	1579.20	1573.10	1574.62	1568.65	1568.65	24"	15"	6.51'	—	4.0	150.28	20-118	90.0°	32.0	6.5	1750	—
10	9	1553.00	1547.45	1552.96	1547.16	1547.16	24"	18"	6.10'	—	3.0	26.10	20-118	90.0°	10.0	7.0	1750	—
11	8	1548.50	1543.50	1548.49	1542.19	1542.19	24"	24"	5.50'	—	4.0	33.33	20-31	90.0°	35.0	7.0	1500	—
12	11	1557.50	1551.00	1555.78	1550.4	1550.4	24"	21"	6.5'	—	5.0	54.0	20-32	90.0°	14.0	6.5	1500	—
13	11	1545.50	1539.50	1546.06	1538.67	1538.67	36"	33"	6.50'	—	4.63	78.68	20-50	90.0°	10.0	6.0	1000	—

- NOTES:**
- RISER PIPE SHALL EXTEND TO "ELEV. A".
 - ELEVATION A, D1, D2, L1, L2 ARE SHOWN ON PLANS.
 - CORRUGATED STEEL PIPE SHALL CONFORM TO ASTM A-36.
 - GRATE ASSEMBLY SHALL BE GALVANIZED AFTER FABRICATION.
 - FOR D1 54" AND LARGER, WELD 1/2"x1/2"x1/4" ANGLES TO PLATE WITH 3" WELDS AT 6" O.C.
 - NUMBER OF BARS ON GRATE ASSEMBLY.
 - GAUGE OF PIPE FOR DIAMETER D2 SHALL BE SAME AS FOR RISER.
 - RISER AND STUB SHALL BE SHOP FABRICATED AND GALVANIZED AFTER WELDING.

BENCH MARK: RIV. CO. B.M.
 BRASS DISC MARKED M-64-69 IN THE CENTER OF A 8" x 16' HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53' WEST OF DAY ST. & 23' S.E. OF N.E. CORNER OF A C.S.D.H. R/W FENCE. ELEVATION = 1612.241

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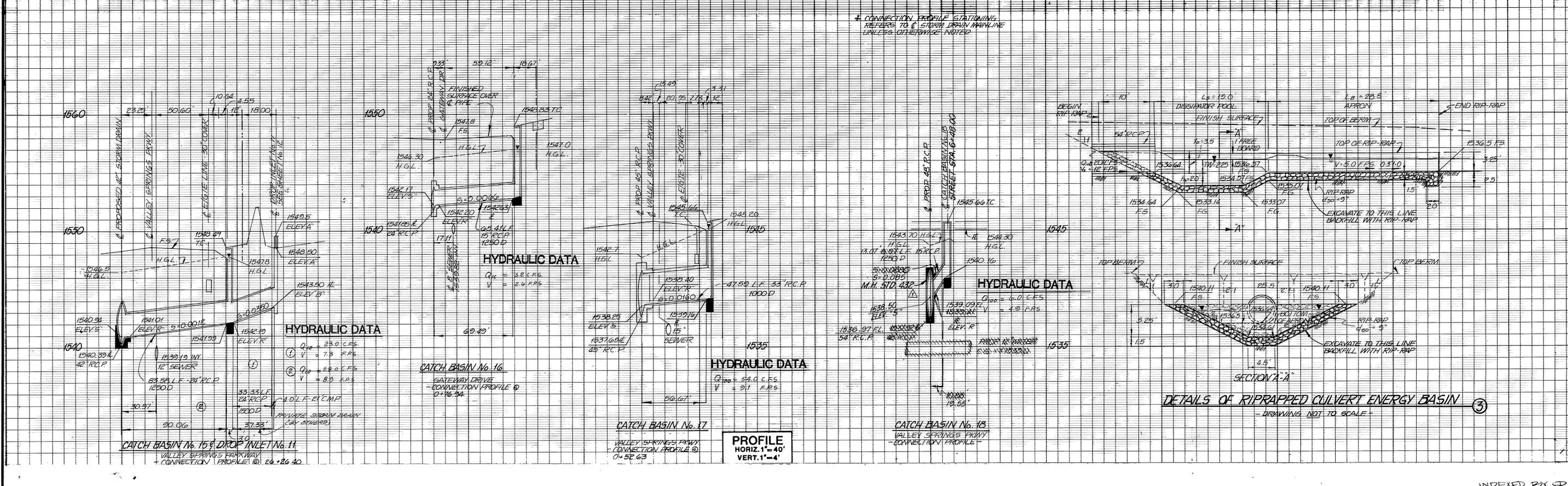
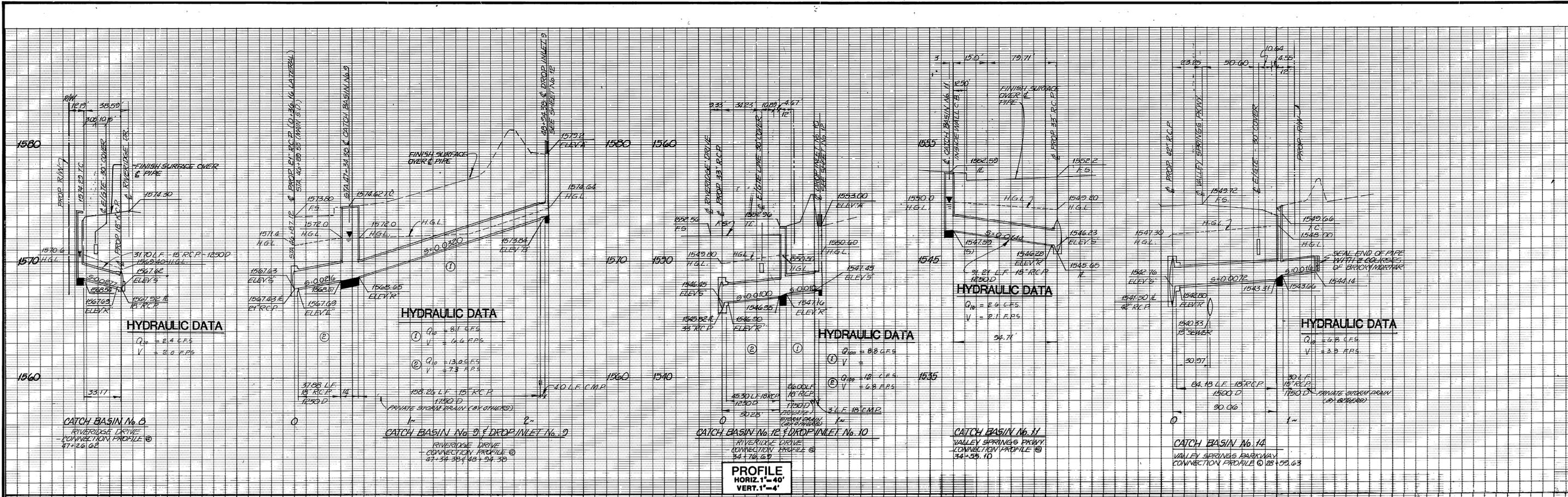
CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
DATE: 2/25/82

REVISIONS:
 REVISED ELEV. R1'S OF DROP INLETS IN PAR. 61/11/82
 REVISED ELEV. R1'S OF INLET NO. 8 IN PAR. 61/11/82

STORM DRAIN PLAN AND PROFILE
DETAIL SHEET
PARCEL MAP NO. 19617
 SCALE: HORIZ. 1" = 40', VERT. 1" = 4'

ACCOUNT NO. D-480
DRAWING NUMBER D-480
SHEET 12 OF 13



BENCH MARK: RIV. CO. B.M. BRASS DISC MARKED M-64-64 IN THE CENTER OF A 8" x 16" HDWL @ THE S.W. CORNER OF HWY. 60 & DAY ST. 53" WEST OF DAY ST. & 23" S.E. OF N.E. CORNER OF A C.S.D.H. R/W FENCE. ELEVATION = 1612.241	Greiner Greiner Engineering of California 5225 Canyon Crest Drive Bldg 200, Suite 253 Riverside, California 92507 (714) 351-8328 (714) 788-7748 A Greiner Engineering, Inc. Company	CITY OF RIVERSIDE, CALIFORNIA PUBLIC WORKS DEPARTMENT APPROVED BY: [Signature] BY DATE: [Date] APPROVED BY: [Signature] BY DATE: [Date] TRAFFIC DIVISION CHIEF PUB WKS ENGR: [Signature]	STORM DRAIN PLAN AND PROFILE DETAIL SHEET PARCEL MAP NO. 19617 SCALE: HORIZ. 1" = 40', VERT. 1" = 4'	INDEXED BY: [Signature] ACCOUNT NO. DRAWING NUMBER D-480 SHEET 13 OF 13